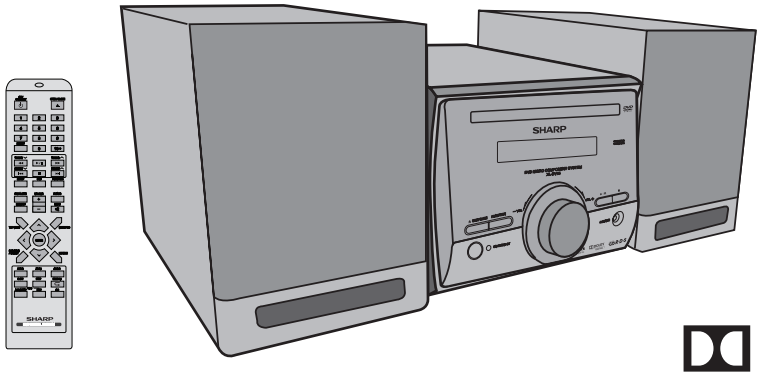
SHARP

DVD MICRO COMPONENT SYSTEM
MICRO COMPONENTE DE SISTEMA DVD
MICRO-CHAÎNE DVD

MODEL
MODELO
MODÈLE

XL-DV75HMKII

OPERATION MANUAL
MANUAL DE MANEJO
MODE D'EMPLOI



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

DOLBY DIGITAL

DIVX®

DVD VIDEO™

COMPACT disc DIGITAL AUDIO

CD-R/RW Playable

dts™ Digital Out

MP3

Plays Windows Media™

R·D·S

Low Power Standby
SAVING ENERGY
STAND-BY POWER CONSUMPTION 0.4W

ENGLISH ··· Please refer to pages i to ix and E-1 to E-30.
ESPAÑOL ··· Consulte las páginas i a ix y S-1 a S-30.
FRANÇAIS ··· Se reporter aux pages i à ix et F-1 à F-30.

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BESONDERE ANMERKUNGEN
REMARQUES SPÉCIALES
NOTAS ESPECIALES
SÄRSKILDA ANMÄRKNINGAR
NOTE PARTICOLARI
BIJZONDERE OPMERKINGEN
NOTAS ESPECIAIS
ERITYISHUOMAUTUS
SPECIAL NOTES

- **Dichiarazione di conformità**
  La società SHARP ELECTRONICS EUROPE GmbH dichiara che il prodotto SHARP SISTEMI DI MICRO COMPONENTI DVD XL-DV75HMKII è costruito in conformità alle prescrizioni del D.M.no 548 del 28/8/95, pubblicato sulla G.U.no 301 del 28/12/95 ed in particolare è conforme a quanto indicato nell'art. 2, comma 1 dello stesso decreto.

- Bei Einstellung der ON/STAND-BY-Taste auf STAND-BY ist die Netzspannung immer noch im Gerät vorhanden.
  Wenn die ON/STAND-BY-Taste auf STAND-BY gestellt ist, können Sie das Gerät mit der Fernbedienung einschalten.
  Warnung:
  In diesem Gerät sind keine vom Benutzer wartbaren Teile vorhanden. Niemals Abdeckungen entfernen, außer wenn Sie dafür qualifiziert sind. In diesem Gerät sind gefährliche Spannungen vorhanden. Vor Ausführung von irgendwelchen Kundendienstarbeiten oder bei längerer Nichtverwendung des Gerätes stets den Netzstecker aus der Netzsteckdose ziehen.

- Lorsque la touche ON/STAND-BY est mise en STAND-BY, l'appareil est toujours sous tension.
  Lorsque la touche ON/STAND-BY est en position STAND-BY, l'appareil peut être remis en route grâce à la télécommande.
  Avertissement:
  Cet appareil contient des pièces non réparables par l'utilisateur. Personne non qualifiée n'enlèvera jamais les couvercles. L'appareil contenant des organes portés à haute tension, débrancher l'appareil avant toute réparation ou en période de non-utilisation.

- Cuando el botón ON/STAND-BY está puesto en la posición STAND-BY, todavía hay tensión dentro del aparato.
  Cuando el botón ON/STAND-BY está puesto en la posición STAND-BY, el aparato puede ponerse en funcionamiento utilizando el mando a distancia.
  Advertencia:
  Tenga en cuenta que dentro de este aparato no hay piezas que pueda reparar. No quite nunca las tapas a menos que se esté cualificado para hacerlo. Este aparato tiene en su interior tensiones peligrosas. Desenchufe siempre la clavija de la red del tomacorriente antes de realizar cualquier servicio de mantenimiento y cuando no se use el aparato durante un largo período de tiempo.

- När ON/STAND-BY knappen är i läge STAND-BY, finns nätspänning i apparaten.
  Då knappen ON/STAND-BY är inställd till läget STAND-BY, kan enheten sättas på via fjärrkontrollen.
  Varning:
  Apparaten innehåller inga delar som kan åtgärdas av kunden. Höljet får endast öppnas av kvalificerad personal. Apparaten innehåller farliga spänningar. Stickkontakten ska därför dras ut från nätuttaget före reparationsarbeten och bör dras ut om apparaten inte ska användas på mycket länge.

- Quando il tasto ON/STAND-BY si trova in posizione STAND-BY, all'interno dell'apparecchio c'è ancora la corrente.
  Quando il tasto ON/STAND-BY è impostato su STAND-BY, l'unità può essere azionata con il telecomando.
  Avvertenza:
  L'apparecchio non contiene parti riparabili dall'utente. Non togliere mai i coperchi, a meno di non essere qualificati per farlo. All'interno dell'apparecchio ci sono tensioni pericolose, per cui si deve sempre staccare la spina del cavo d'alimentazione dalla presa di corrente prima di qualsiasi intervento di manutenzione e quando non si usa l'apparecchio per un lungo periodo di tempo.

- Wanneer de ON/STAND-BY toets in de STAND-BY stand staat, loopt er nog steeds stroom (netspanning) in het toestel.
  Wanneer de ON/STAND-BY-knop in de STAND-BY-positie staat, kunt u het apparaat aanzetten met de afstandsbediening.
  Waarschuwing:
  Dit toestel bevat geen door de gebruiker te repareren onderdelen. Verwijder de behuizing nooit tenzij u deskundig bent op dit gebied. In het toestel loopt een gevaarlijke spanning; haal de stekker altijd uit het stopcontact alvorens onderhoud uit te voeren of wanneer het toestel voor langere tijd niet gebruikt wordt.

- Quando o botão ON/STAND-BY estiver ajustado na posição STAND-BY, a voltagem de alimentação ainda se encontra presente dentro do aparelho.
  Pode utilizar o controlo remoto para colocar a unidade em funcionamento quando o botão ON/STAND-BY se encontra na posição STAND-BY.
  Advertência:
  Neste aparelho não há partes que podem ser consertadas pelo usuário. Nunca retire a tampa, a menos que você tenha qualificação para tal. Este aparelho contém voltagens perigosas. Remova sempre o cabo de alimentação da tomada antes de efetuar qualquer conserto ou quando deixar o aparelho muito tempo fora de uso.

- Kun ON/STAND-BY -kytkin on STAND-BY-asennossa, laitteessa on yhä virta.
  Kun ON/STAND-BY -kytkin on STAND-BY-asennossa, laite voidaan kytkeä päälle kaukosäätimestä.
  Varoitus:
  Laitteen sisällä ei ole käyttäjän huollettavissa olevia osia. Kotelon saa irrottaa vain siihen pätevöitynyt henkilö. Laitteen sisällä on vaarallinen jännite. Laite on aina irrotettava verkkovirrasta ennen huoltotoimenpiteitä ja jos laite on pitkään käyttämättä.

- When the ON/STAND-BY button is set at STAND-BY position, mains voltage is still present inside the unit.
  When the ON/STAND-BY button is set at STAND-BY position, the unit may be brought into operation by the remote control.
  Warning:
  This unit contains no user serviceable parts. Never remove covers unless qualified to do so. This unit contains dangerous voltages, always remove mains plug from the socket before any service operation and when not in use for a long period.

- Når ON/STAND-BY-knappen er sat i STAND-BY positionen, er der stadig netspaending til stede i apparatet.
  Når knappen ON/STAND-BY er stillet i STAND-BY-position, kan enheden startes med fjernbetjeningen.
  Advarsel:
  Apparatet indeholder ingen dele, der kan repareres af brugeren selv. Fjern aldrig kabinettet med mindre De er kvalificeret hertil. Apparatet indeholder farlig strømspaending. Traek altid stikket ud af stikkontakten før der foretages reparationer, eller hvis apparatet ikke er i brug i laengere tid.

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PŘED SEJMUTÍM KRYTU NUTNO VYJMOUT VIDLICI ZE SÍŤOVÉ ZÁSUVKY.

PRED ZLOŽENÍM KRYTU JE NUTNÉ ODPOJIŤ PRÍSTROJ ZO SIETE.

DENNA APPARAT ÄR ANSLUTEN TILL 230 V VÄXELSTRÖM NÄR STICKPROPPEN ÄR INSKJUTEN I VÄGGUTTAGET. FÖR ATT FULLSTÄNDIGT KOPPLA IFRÅN APPARATEN, V.G. DRAG UT STICKPROPPEN.

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- **Vorsicht:**
  Das Gerät weder Tropf- noch Spritzwasser aussetzen. Ansonsten besteht die Gefahr eines Brandes oder elektrischen Schlages. Es dürfen keine mit Flüssigkeiten gefüllten Gegenstände wie Vasen auf dem Gerät abgestellt werden.
- **Attention:**
  Pour éviter un incendie ou une secousse électrique, mettre l'appareil à l'abri de l'eau (éclaboussure, goutte). Ne pas poser sur l'appareil un récipient contenant du liquide.
- **Advertencia:**
  Para evitar incendios y descargas eléctricas, no exponga el aparato a goteo o salpicadura de líquidos. No deberán ponerse encima del aparato objetos que estén llenos de líquido, como por ejemplo un florero.
- **Varning:**
  Utsätt inte enheten för dropp eller stänk för att förhindra brand eller elektriska stötar. Inga vätskefyllda föremål såsom vaser får placeras på enheten.
- **Attenzione:**
  Per prevenire incendi o scosse elettriche, non fare gocciolare nessun liquido sull'apparecchio e non bagnarlo. Non collocarvi sopra nessun oggetto riempito d'acqua, come per esempio vasi.

- **Waarschuwing:**
  Stel het toestel niet bloot aan druipend of spattend water om brand en elektrische schokken te voorkomen. Met vloeistoffen gevulde voorwerpen, zoals vazen, mogen niet op het toestel geplaatst worden.
- **Cuidado:**
  Para evitar incêndio ou choque elétrico, não exponha este aparelho a gotejamento ou salpicamento de água. Não coloque objetos com água como, por exemplo, um vaso de flores, em cima do aparelho.
- **Varoitus:**
  Tulipalon tai sähköiskun välttämiseksi laitetta ei saa altistaa tippuvalle tai roiskuvalle vedelle. Nestettä sisältäviä astioita kuten esim kukkamaljakoita ei saa asettaa laitteen päälle.
- **Warning:**
  To prevent fire or shock hazard, do not expose this appliance to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus.

- **Advarsel:**
  Til at forbygge ild og stød risiko, lad vaere med at undsaette denne indretning for drypning eller overstaenkning. Der må ikke anbringes nogen genstande fyldt med vand, som for eksempel vaser, på dette apparat.
- **Advarsel:**
  For å unngå brann eller kortslutning, utsett ikke produktet for vann eller fuktighet. Gjenstander som inneholder vaeske, feks. en blomstervase, må ikke plasseres oppå apparatet.
- **Varoitus:**
  Älä vie laitetta sateeseen tai kosteisiin tiloihin. Jos laite on kostunut, anna sen kuivua ennen kuin käytät sitä verkkovirralla. Nestettä sisältäviä astioita kuten esim. kukkamaljakoita ei saa asettaa laitteen päälle.

PŘÍSTROJ NEVYSTAVUJTE KAPAJÍCÍ NEBO STŘÍKAJÍCÍ VODĚ.

PRÍSTROJ NEVYSTAVUJTE KVAPKAJÚCEJ ALEBO STRIEKAJÚCEJ VODE.

Urządzenie należy chronić przed zalaniem i wilgocią.

- Dieses Produkt ist ein Laserprodukt der Klasse 1.
- Ce produit est classifié comme étant un LASER DE CLASSE 1.
- Este producto está clasificado como un PRODUCTO LÁSER DE CLASE 1.
- Denna produkt klassificeras som KLASS 1 LASERPRODUKT.
- Questo prodotto è classificato come CLASS 1 LASER PRODUCT.
- Dit product is geclassificeerd als een KLASSE 1 LASER PRODUCT.
- Este produto é classificado como PRODUTO LASER DE CLASSE 1.
- Tämä laite on luokiteltu LUOKAN 1 LASERLAITTEEKSI.
- This product is classified as a CLASS 1 LASER PRODUCT.

- Dette produktet er klassifisert som et KLASSE 1 LASERPRODUKT.
- Dette produkt er klassificeret som et KLASSE 1 LASERPRODUKT.
- Tämä laite on luokiteltu LUOKAN 1 LASERLAITTEEKSI.
- Denna produkt klassificeras som KLASS 1 LASERAPPARAT.
- Tento výrobek je klasifikován jako LASEROVÝ VÝROBEK TŘÍDY 1.
- Tento výrobok je klasifikovaný ako LASEROVÝ VÝROBOK TRIEDY 1.

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- **VORSICHT**

  Dieses Gerät enthält eine Schwachstrom-Lasereinheit. Um die sichere Funktionsweise des Gerätes zu gewährleisten, sollten keine Abdeckungen entfernt oder auf innen liegende Teile zugegriffen werden.

  Das Gerät sollte nur von qualifiziertem Personal gewartet und repariert werden.

- **ATTENTION**

  Ce produit contient un laser de faible puissance. Pour assurer la sécurité, éviter d'ôter l'enveloppe ou d'accéder à l'intérieur de ce produit.

  Pour toute réparation, s'adresser à une personne qualifiée.

- **PRECAUCIÓN**

  Este producto contiene un dispositivo de láser de poca potencia. Para mantener la seguridad, no extraiga ninguna cubierta ni intente acceder al interior del producto.

  Solicite todo el servicio técnico a una persona cualificada.

- **VARNING**

  Denna produkt innehåller en lågeffektslaser-enhet. För att säkra fortsatt säkerhet avlägsna inte något hölje och försök inte komma åt produktens inre.

  Vänd dig till behörig personal för all form av servicearbete.

- **ATTENZIONE**

  Questo prodotto contiene un dispositivo laser a bassa potenza. Per garantire la sicurezza non rimuovere alcuna copertura né tentare di accedere all'interno del prodotto.

  Per qualunque manutenzione, rivolgersi a personale qualificato.

- **LET OP**

  Dit product bevat een lasertoestel met een laag vermogen. Zorg ervoor dat de veiligheid gewaarborgd blijft, verwijder niet een deel van de behuizing en probeer niet door te dringen tot het binnenwerk van het product.

  Laat alle onderhoudswerkzaamheden over aan gekwalificeerde vakmensen.

- **CUIDADO**

  Este produto contém um aparelho laser de baixa potência. Para garantir a segurança contínua não remover qualquer tampa ou tente obter acesso ao interior do produto.

  Consultar os serviços de pessoal qualificado.

- **VAARA**

  Tuotteessa on matalatehoinen laserlaite. Käyttöturvallisuuden takaamiseksi koteloa ei saa irrottaa eikä laitteen sisäosiin tule koskea.

  Laitteen saa huoltaa vain valtuutettu huoltohenkilöstö.

- **CAUTION**

  This product contains a low power laser device. To ensure continued safety do not remove any cover or attempt to gain access to the inside of the product.

  Refer all servicing to qualified personnel.

VÝSTRAHA: VÝROBEK JE VYBAVEN LASEREM. PŘI NESPRÁVNÉ MANIPULACI S PŘÍSTROJEM V ROZPORU S TÍMTO NÁVODEM MŮŽE DOJÍT K NEBEZPEČNÉMU OZÁŘENÍ. NEOTVÍREJTE A NESNÍMEJTE PROTO ŽÁDNÉ KRYTY A PŘÍSTROJ NEOPRAVUJTE. OPRAVU A SERVIS SVĚŘTE ODBORNÉMU SERVISU.

VÝSTRAHA: VÝROBOK JE VYBAVENÝ LASEROM. PRI NESPRÁVNOM MANIPULOVANÍ S PRÍSTROJOM V ROZPORE S TÝMTO NÁVODOM MÔŽE DÔJSŤ K NEBEZPEČNÉMU OŽIARENIU. NEODKRÝVAJTE PRETO ŽIADNE KRYTY A PRÍSTROJ NEOPRAVUJTE OPRAVU A SERVIS PRENECHAJTE ODBORNÉMU SERVISU.

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- Dieses System ist mit einer Kopierschutz-Technologie ausgestattet. Dies führt zu einer wesentlichen Verschlechterung der Bildqualität, wenn die Inhalte einer Disk auf eine Video-Kassette kopiert werden.

Kopierschutz:

Dieses Gerät unterstützt den Kopierschutz von Macrovision.
Auf DVDs mit Kopierschutz-Schlüssel wird der Inhalt der DVD mit einem VCR kopiert. Das ist ein Kopierschutz-Schlüssel, der das Kopieren des Videos beim normalen Abspielen verhindert.

US-Patente Nr. 6,836,549; 6,381,747; 7,050,698; 6,516,132; und 5,583,936.

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- Ce système est équipé d'une technologie de protection contre les copies qui cause une importante dégradation de l'image quand le contenu d'un disque est copié sur une vidéocassette.

Protection contre la copie:

Cet appareil supporte la protection de copie Macrovision.
Sur les disques DVD qui comportent un code de protection contre la copie, si le contenu du disque DVD est copié à l'aide d'un magnétoscope, le code de protection contre la copie empêche la lecture normale de la cassette vidéo.

Brevets américains n° 6 836 549, 6 381 747, 7 050 698, 6 516 132, et 5 583 936.

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- Este sistema está provisto de tecnología para protección contra copias que degrada de manera substancial las imágenes cuando se copia el contenido de un disco a una cinta de vídeo.

Protección contra copias:

Este aparato es compatible con la protección contra copias Macrovision.
En discos DVD que incluyen un código de protección contra copias, si se copia el contenido del disco DVD empleando una videograbadora, el código de protección contra copias evita que la copia de la videocinta puedan reproducirse con normalidad.

U.S. Números de patente de EE.UU. 6.836.549; 6.381.747; 7.050.698, 6.516.132, y 5.583.936.

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- Otillåten kopiering, utsändning, allmän visning, överföring, allmän föreställning och uthyrning av skivinnehåll (oavsett om sådana aktiviteter är vinstgivande eller ej) är förbjudet enligt lag.
- Detta system är utrustat med kopieringsskyddsteknik som orsakar avsevärd bildförsämring då innehållet på en skiva kopieras till ett videoband.

Kopieringsskydd:

Denna enhet stöder Macrovisions kopieringsskydd.
På DVD-skivor som innehåller en kopieringsskyddskod, förhindrar kopieringsskyddskoden att videbandskopian spelas upp normalt, om DVD-skivans innehåll kopierats med en videobandspelare.

Patentnummer 6,836,549; 6,381,747; 7,050,698; 6,516,132; och 5,583,936 i USA.

Denna produkt innehåller upphovsrättsskyddsteknik som skyddas av metodanspråk i vissa patent i USA och rättigheterna till annan intellektuell egendom som innehas av Macrovision Corporation och andra innehavare av rättigheter.
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Informazioni sui diritti d'autore:

- La copia, la programmazione, l'esibizione pubblica, la trasmissione, la prestazione pubblica ed il noleggio (indipendentemente che si tratti di attività con o senza fini di lucro) dei contenuti del disco sono proibite dalla legge.
- Questo sistema è dotato di una tecnologia di protezione contro le riproduzioni che provoca sostanziali deterioramenti nella qualità delle immagini se il contenuto di un disco viene copiato su una videocassetta.

Protezione contro la Copia:

Questa unità supporta il sistema di protezione contro le copie Macrovision.
Nei dischi DVD che contengono un codice di protezione contro le copie, qualora il contenuto del disco DVD sia copiato usando un VCR, il codice di protezione contro le copie impedisce la normale riproduzione della copia su videocassetta.

Brevetti USA n. 6,836,549; 6,381,747; 7,050,698; 6,516,132; e 5,583,936.

Questo prodotto comprende una tecnologia di protezione dei diritti d'autore, tutelata da rivendicazioni di metodo di alcuni brevetti USA, e altri diritti di proprietà intellettuale di Macrovision Corporation e di titolari di altri diritti.
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Sono proibite manomissioni alla parte meccanica o lo smontaggio.

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Copyright-informatie:

- Het niet-geautoriseerde kopiëren, in het openbaar weergeven, uitzenden, in het openbaar opvoeren en verhuren van diskinhouden is bij wet verboden, ongeacht of zulke activiteiten commercieel zijn of niet.
- Dit systeem is uitgerust met een beveiligingstechnologie, die de beeldkwaliteit wezenlijk verslechtert, wanneer de inhoud van een disk op videotape gekopieerd wordt.

Kopieerbeveiliging:

Dit apparaat ondersteunt Macrovision-kopieerbeveiliging.
Wanneer de inhoud van DVD-disks, die een kopieerbeveiliging hebben, met een videorecorder gekopieerd wordt, verhindert deze kopieerbeveiliging, dat de videoband normaal afgespeeld kan worden.

Octrooinrs. V.S. 6.836.549; 6.381.747; 7.050.698; 6.516.132; en 5.583.936.

In dit product is een beveiligingstechnologie geïntegreerd, die beschermd is door de aanspraak op de procedure, voortvloeiend uit bepaalde (US) Amerikaanse patenten en uit andere intellectuele eigendomsrechten van Macrovision Corporation en andere rechthebbende.
Het gebruik van deze kopieerbeveiligingstechnologie moet geautoriseerd worden door Macrovision Corporation en is uitsluitend bestemd voor het kijken thuis of in beperkte kring, tenzij door Macrovision Corporation anders geautoriseerd.
Nabouwen of demontage is verboden.

"HDMI, het HDMI-beeldmerk en High-Definition Multimedia Interface zijn handelsmerken of gedeponeerde handelsmerken van HDMI Licensing LLC."

Vervaardigd onder licentie van Dolby Laboratories. Dolby en het symbool met de dubbele D zijn handelsmerken van Dolby Laboratories.

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Informação de direitos de autor:

- Cópias não autorizadas, transmissão, visualização pública, desempenho público e aluguer (independentemente se essas actividades são para lucro ou não) de conteúdos do disco são proibidos por lei.
- Este sistema está equipado com tecnologia de protecção contra cópia que causa a degradação substancial de imagens quando os conteúdos do disco são copiados para uma cassete vídeo.

Protecção contra cópia:

Esta unidade utiliza a protecção contra cópia de Macrovision.
Nos discos DVD com código de protecção contra cópia, se o conteúdo do disco DVD for copiado através de VCR, o código de protecção contra cópia evita a reprodução normal da cópia da cassete vídeo.

Patentes dos EUA nº. 6.836.549; 6.381.747; 7.050.698; 6.516.132 e 5.583.936.

Este produto incorpora a tecnologia de protecção de direitos de autor, que está protegida por method claims de certas patentes dos EUA e outros direitos da propriedade intelectual, propriedade da Macrovision Corporation e outros proprietários de direitos de autor.
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DivX, DivX Certified e logotipos associados são marcas comerciais da DivX, Inc. e são utilizadas sob licença.

Tekijänoikeustiedot:

- Levyn sisällön luvaton kopioiminen, esittäminen radiossa tai televisiossa, julkinen esittäminen, välittäminen ja vuokraaminen (huolimatta siitä, saadaanko toiminnasta tuottoa) on kielletty.
- Laitteen kopiosuojausteknologia aiheuttaa kuvanlaadun huomattavan huononemisen, kun levyn sisältöä kopioidaan videonauhalle.

Kopiosuojaus:

Laite tukee Macrovisionin kopiosuojausta.
Jos DVD-levyssä on kopiosuojauskoodi ja levyn sisältö kopioidaan videonauhalle, videonauhakopioita ei voida toistaa normaalisti kopiosuojauksen takia.

USA:n patentit: 6,836,549; 6,381,747; 7,050,698; 6,516,132; ja 5,583,936.

Tuotteessa on käytetty tekijänoikeuksilla suojattua teknologiaa, jota suojelevat tietyt Yhdysvaltain patentit. Muut tuotteeseen liittyvät immateriaalioikeudet kuuluvat Macrovision Corporationille sekä muille oikeuksien haltijoille.
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Laitteen purkaminen tai takaisinmallinnus on kiellettyä.

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Valmistettu Dolby Laboratoriesin lisenssillä. Dolby ja kaksois-D-symboli ovat Dolby Laboratoriesin tuotemerkkejä.

Laite on seuraavilla USA:n patenteilla suojattu: 5,451,942 sekä muut myönnetyt ja haetut USA:n ja maailmanlaajuiset patentit. DTS ja DTS Digital Out ovat rekisteröityjä tavaramerkkejä. DTS-logot ja -symbolit ovat DTS, Inc.:n tavaramerkkejä. © 1996-2007 DTS, Inc. Kaikki oikeudet pidätetään.

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Copyright Information:

- Unauthorised copying, broadcast, public display, transmission, public performance and rental (regardless of whether or not such activities are for profit) of disc contents are prohibited by law.
- This system is equipped with copy protection technology that causes substantial degradation of images when the contents of a disc are copied to a video tape.

Copy Protection:

This unit supports Macrovision copy protection.
On DVD discs that include a copy protection code, if the contents of the DVD disc are copied using a VCR, the copy protection code prevents the videotape copy from playing normally.

U.S. Patent Nos. 6,836,549; 6,381,747; 7,050,698; 6,516,132; and 5,583,936.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners.
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Entsorgungsinformationen

Achtung: Ihr Produkt trägt dieses Symbol. Es besagt, dass Elektro- und Elektronikgeräte nicht mit dem Haushaltsmüll entsorgt, sondern einem getrennten Rücknahme-system zugeführt werden sollten.

A. Entsorgungsinformationen für Benutzer aus Privathaushalten

1. In der Europäischen Union

Achtung: Werfen Sie dieses Gerät zur Entsorgung bitte nicht in den normalen Hausmüll!
Gemäß einer neuen EU-Richtlinie, die die ordnungsgemäße Rücknahme, Behandlung und Verwertung von gebrauchten Elektro- und Elektronikgeräten vorschreibt, müssen elektrische und elektronische Altgeräte getrennt entsorgt werden.
Nach der Einführung der Richtlinie in den EU-Mitgliedstaaten können Privathaushalte ihre gebrauchten Elektro- und Elektronikgeräte nun kostenlos an ausgewiesenen Rücknahmestellen abgeben*.
In einigen Ländern* können Sie Altgeräte u.U. auch kostenlos bei Ihrem Fachhändler abgeben, wenn Sie ein vergleichbares neues Gerät kaufen.
*) Weitere Einzelheiten erhalten Sie von Ihrer Gemeindeverwaltung.
Wenn Ihre gebrauchten Elektro- und Elektronikgeräte Batterien oder Akkus enthalten, sollten diese vorher entnommen und gemäß örtlich geltenden Regelungen getrennt entsorgt werden.
Durch die ordnungsgemäße Entsorgung tragen Sie dazu bei, dass Altgeräte angemessen gesammelt, behandelt und verwertet werden. Dies verhindert mögliche schädliche Auswirkungen auf Umwelt und Gesundheit durch eine unsachgemäße Entsorgung.

2. In anderen Ländern außerhalb der EU

Bitte erkundigen Sie sich bei Ihrer Gemeindeverwaltung nach dem ordnungsgemäßen Verfahren zur Entsorgung dieses Geräts.
Für die Schweiz: Gebrauchte Elektro- und Elektronikgeräte können kostenlos beim Händler abgegeben werden, auch wenn Sie kein neues Produkt kaufen. Weitere Rücknahmesysteme finden Sie auf der Homepage von www.swico.ch oder www.sens.ch.

B. Entsorgungsinformationen für gewerbliche Nutzer

1. In der Europäischen Union

Wenn Sie dieses Produkt für gewerbliche Zwecke genutzt haben und nun entsorgen möchten:
Bitte wenden Sie sich an Ihren SHARP Fachhändler, der Sie über die Rücknahme des Produkts informieren kann. Möglicherweise müssen Sie die Kosten für die Rücknahme und Verwertung tragen. Kleine Produkte (und kleine Mengen) können möglicherweise bei Ihrer örtlichen Rücknahmestelle abgegeben werden.
Für Spanien: Bitte wenden Sie sich an das vorhandene Rücknahmesystem oder Ihre Gemeindeverwaltung, wenn Sie Fragen zur Rücknahme Ihrer Altgeräte haben.

2. In anderen Ländern außerhalb der EU

Bitte erkundigen Sie sich bei Ihrer Gemeindeverwaltung nach dem ordnungsgemäßen Verfahren zur Entsorgung dieses Geräts.

Informations sur la mise au rebut correcte

Attention : votre produit comporte ce symbole. Il signifie que les produits électriques et électroniques usagés ne doivent pas être mélangés avec les déchets ménagers généraux. Un système de collecte séparé est prévu pour ces produits.

A. Informations sur la mise au rebut à l'intention des utilisateurs privés (ménages)

1. Au sein de l'Union européenne

Attention : si vous souhaitez mettre cet appareil au rebut, ne le jetez pas dans une poubelle ordinaire!
Les appareils électriques et électroniques usagés doivent être traités séparément et conformément aux lois en vigueur en matière de traitement, de récupération et de recyclage adéquats de ces appareils.
Suite à la mise en oeuvre de ces dispositions dans les Etats membres, les ménages résidant au sein de l'Union européenne peuvent désormais ramener gratuitement* leurs appareils électriques et électroniques usagés sur des sites de collecte désignés.
Dans certains pays*, votre détaillant reprendra également gratuitement votre ancien produit si vous achetez un produit neuf similaire.
*) Veuillez contacter votre administration locale pour plus de renseignements.
Si votre appareil électrique ou électronique usagé comporte des piles ou des accumulateurs, veuillez les mettre séparément et préalablement au rebut conformément à la législation locale en vigueur.
En veillant à la mise au rebut correcte de ce produit, vous contribuerez à assurer le traitement, la récupération et le recyclage nécessaires de ces déchets, et préviendrez ainsi les effets néfastes potentiels de leur mauvaise gestion sur l'environnement et la santé humaine.

2. Pays hors de l'Union européenne

Si vous souhaitez mettre ce produit au rebut, veuillez contacter votre administration locale qui vous renseignera sur la méthode d'élimination correcte de cet appareil.
Suisse : les équipements électriques ou électroniques usagés peuvent être ramenés gratuitement au détaillant, même si vous n'achetez pas un nouvel appareil. Pour obtenir la liste des autres sites de collecte, veuillez vous reporter à la page d'accueil du site www.swico.ch ou www.sens.ch.

B. Informations sur la mise au rebut à l'intention des entreprises

1. Au sein de l'Union européenne

Si ce produit est utilisé dans le cadre des activités de votre entreprise et que vous souhaitiez le mettre au rebut:
Veuillez contacter votre revendeur SHARP qui vous informera des conditions de reprise du produit. Les frais de reprise et de recyclage pourront vous être facturés. Les produits de petite taille (et en petites quantités) pourront être repris par vos organisations de collecte locales.
Espagne: veuillez contacter l'organisation de collecte existante ou votre administration locale pour les modalités de reprise de vos produits usagés.

2. Pays hors de l'Union européenne

Si vous souhaitez mettre ce produit au rebut, veuillez contacter votre administration locale qui vous renseignera sur la méthode d'élimination correcte de cet appareil.

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Información sobre la eliminación

Atención: su producto está marcado con este símbolo. Significa que los productos eléctricos y electrónicos usados no deberían mezclarse con los residuos domésticos generales. Existe un sistema de recogida independiente para estos productos.

A. Información sobre eliminación para usuarios particulares

1. En la Unión Europea

Atención: si quiere desechar este equipo, ¡por favor no utilice el cubo de la basura habitual!

Los equipos eléctricos y electrónicos usados deberían tratarse por separado de acuerdo con la legislación que requiere un tratamiento, una recuperación y un reciclaje adecuados de los equipos eléctricos y electrónicos usados.

Tras la puesta en práctica por parte de los estados miembros, los hogares de particulares dentro de los estados de la Unión Europea pueden devolver sus equipos eléctricos y electrónicos a los centros de recogida designados sin coste alguno *.

En algunos países* es posible que también su vendedor local se lleve su viejo producto sin coste alguno si Ud. compra uno nuevo similar.

*) Por favor, póngase en contacto con su autoridad local para obtener más detalles.

Si sus equipos eléctricos o electrónicos usados tienen pilas o acumuladores, por favor deséchelos por separado con antelación según los requisitos locales.

Al desechar este producto correctamente, ayudará a asegurar que los residuos reciban el tratamiento, la recuperación y el reciclaje necesarios, previniendo de esta forma posibles efectos negativos en el medio ambiente y la salud humana que de otra forma podrían producirse debido a una manipulación de residuos inapropiada.

2. En otros países fuera de la Unión Europea

Si desea desechar este producto, por favor póngase en contacto con las autoridades locales y pregunte por el método de eliminación correcto.

Para Suiza: Los equipos eléctricos o electrónicos pueden devolverse al vendedor sin coste alguno, incluso si no compra ningún nuevo producto. Se puede encontrar una lista de otros centros de recogida en la página principal de www.swico.ch o www.sens.ch.

B. Información sobre Eliminación para empresas usuarias

1. En la Unión Europea

Si el producto se utiliza en una empresa y quiere desecharlo:

Por favor póngase en contacto con su distribuidor SHARP, quien le informará sobre la recogida del producto. Puede ser que le cobren los costes de recogida y reciclaje. Puede ser que los productos de tamaño pequeño (y las cantidades pequeñas) sean recogidos por sus centros de recogida locales.

Para España: por favor, póngase en contacto con el sistema de recogida establecido o con las autoridades locales para la recogida de los productos usados.

2. En otros países fuera de la Unión Europea

Si desea desechar este producto, por favor póngase en contacto con sus autoridades locales y pregunte por el método de eliminación correcto.

Informazioni per un corretto smaltimento

Attenzione: Il dispositivo è contrassegnato da questo simbolo, che segnala di non smaltire le apparecchiature elettriche ed elettroniche insieme ai normali rifiuti domestici. Per tali prodotti è previsto un sistema di raccolta a parte.

A. Informazioni sullo smaltimento per gli utenti (privati)

1. Nell'Unione europea

Attenzione: Per smaltire il presente dispositivo, non utilizzare il normale bidone della spazzatura!

Le apparecchiature elettriche ed elettroniche usate devono essere gestite a parte e in conformità alla legislazione che richiede il trattamento, il recupero e il riciclaggio adeguato dei suddetti prodotti.

In seguito alle disposizioni attuate dagli Stati membri, i privati residenti nella UE possono conferire gratuitamente le apparecchiature elettriche ed elettroniche usate a centri di raccolta designati*.

In alcuni paesi*, anche il rivenditore locale può ritirare gratuitamente il vecchio prodotto se l'utente acquista un altro nuovo di tipologia simile.

*) Per maggiori informazioni si prega di contattare l'autorità locale competente.

Se le apparecchiature elettriche o elettroniche usate hanno batterie o accumulatori, l'utente dovrà smaltirli a parte preventivamente in conformità alle disposizioni locali.

Lo smaltimento corretto del presente prodotto contribuirà a garantire che i rifiuti siano sottoposti al trattamento, al recupero e al riciclaggio necessari prevenendone il potenziale impatto negativo sull'ambiente e sulla salute umana, che potrebbe derivare da un'inadeguata gestione dei rifiuti.

2. In paesi che non fanno parte dell'UE

Se si desidera eliminare il presente prodotto, contattare le autorità locali e informarsi sul metodo di smaltimento corretto.

Per la Svizzera: Le apparecchiature elettriche o elettroniche usate possono essere restituite gratuitamente al rivenditore, anche se non si acquista un prodotto nuovo. Altri centri di raccolta sono elencati sulle homepage di www.swico.ch o di www.sens.ch.

B. Informazioni sullo smaltimento per gli utenti commerciali

1. Nell'Unione europea

Se il prodotto è impiegato a scopi commerciali, procedere come segue per eliminarlo.

Contattare il proprio rivenditore SHARP che fornirà informazioni circa il ritiro del prodotto. Potrebbero essere addebitate le spese di ritiro e riciclaggio. Prodotti piccoli (e quantitativi ridotti) potranno essere ritirati anche dai centri di raccolta locali.

Per la Spagna: Contattare il sistema di raccolta ufficiale o l'ente locale preposto al ritiro dei prodotti usati.

2. In paesi che non fanno parte dell'UE

Se si desidera eliminare il presente prodotto, contattare le autorità locali e informarsi sul metodo di smaltimento corretto.

Information om återvinning

OBS! Produkten är märkt med symbolen ovan. Denna symbol indikerar att elektroniska produkter inte ska kastas i det vanliga hushållsavfallet eftersom det finns ett separat avfallshanterings-system för dem.

A. Information om återvinning av elektrisk utrustning för hushåll

1. EU-länder

OBS! Kasta inte denna produkt i soporna!

Förbrukad elektrisk utrustning måste hanteras i enlighet med gällande miljölagstiftning och återvinningsföreskrifter.

I enlighet med gällande EU-regler ska hushåll ha möjlighet att lämna in elektrisk utrustning till återvinningsstationer utan kostnad.*

I vissa länder* kan det även hända att man gratis kan lämna in gamla produkter till återförsäljaren när man köper en ny liknande enhet.

*) Kontakta kommunen för vidare information.

Om utrustningen innehåller batterier eller ackumulatorer ska dessa först avlägsnas och hanteras separat i enlighet med gällande miljöföreskrifter.

Genom att hantera produkten i enlighet med dessa föreskrifter kommer den att tas om hand och återvinnas på tillämpligt sätt, vilket förhindrar potentiella negativa hälso- och miljöeffekter.

2. Länder utanför EU

Kontakta de lokala myndigheterna och ta reda på gällande sorterings- och återvinningsföreskrifter om du behöver göra dig av med denna produkt.

B. Information om återvinning för företag

1. EU-länder

Gör så här om produkten ska kasseras:

Kontakta SHARPs återförsäljare för information om hur man går till väga för att lämna tillbaka produkten. Det kan hända att en avgift för transport och återvinning tillkommer. Mindre skrymmande produkter (om det rör sig om ett fåtal) kan eventuellt återlämnas till lokala återvinningsstationer.

2. Länder utanför EU

Kontakta de lokala myndigheterna och ta reda på gällande sorterings- och återvinningsföreskrifter om du behöver göra dig av med denna produkt.

Informatie over verantwoorde verwijdering

Let op: Uw product is van dit merkteken voorzien. Dit betekent dat afgedankte elektrische en elektronische apparatuur niet samen met het normale huisafval mogen worden weggegooid. Er bestaat een afzonderlijk inzamelings-systeem voor deze producten.

A. Informatie over afvalverwijdering voor gebruikers (particuliere huishoudens)

1. In de Europese Unie

Let op: Deze apparatuur niet samen met het normale huisafval weggooien!

Afgedankte elektrische en elektronische apparatuur moet gescheiden worden ingezameld conform de wetgeving inzake de verantwoorde verwerking, terugwinning en recycling van afgedankte elektrische en elektronische apparatuur.

Na de invoering van de wet door de lidstaten mogen particuliere huishoudens in de lidstaten van de Europese Unie hun afgedankte elektrische en elektronische apparatuur kosteloos* naar hiertoe aangewezen inzamelingsinrichtingen brengen*.

In sommige landen* kunt u bij de aanschaf van een nieuw apparaat het oude product kosteloos bij uw lokale distributeur inleveren.

*) Neem contact op met de plaatselijke autoriteiten voor verdere informatie.

Als uw elektrische of elektronische apparatuur batterijen of accumulatoren bevat dan moet u deze afzonderlijk conform de plaatselijke voorschriften weggooien.

Door dit product op een verantwoorde manier weg te gooien, zorgt u ervoor dat het afval de juiste verwerking, terugwinning en recycling ondergaat en potentiële negatieve effecten op het milieu en de menselijke gezondheid worden voorkomen die anders zouden ontstaan door het verkeerd verwerken van het afval.

2. In andere landen buiten de Europese Unie

Als u dit product wilt weggooien, neem dan contact op met de plaatselijke autoriteiten voor informatie omtrent de juiste verwijderingsprocedure.

Voor Zwitserland: U kunt afgedankte elektrische en elektronische apparatuur kosteloos bij de distributeur inleveren, zelfs als u geen nieuw product koopt. Aanvullende inzamelingsinrichtingen zijn vermeld op de startpagina van www.swico.ch of www.sens.ch.

B. Informatie over afvalverwijdering voor bedrijven

1. In de Europese Unie

Als u het product voor zakelijke doeleinden heeft gebruikt en als u dit wilt weggooien:

Neem contact op met uw SHARP distributeur die u inlichtingen verschaft over de terugname van het product. Het kan zijn dat u een afvalverwijderingsbijdrage voor de terugname en recycling moet betalen. Kleine producten (en kleine hoeveelheden) kunnen door de lokale inzamelingsinrichtingen worden verwerkt.

Voor Spanje: Neem contact op met de inzamelingsinrichting of de lokale autoriteiten voor de terugname van uw afgedankte producten.

2. In andere landen buiten de Europese Unie

Als u dit product wilt weggooien, neem dan contact op met de plaatselijke autoriteiten voor informatie omtrent de juiste verwijderingsprocedure.

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Informação sobre Eliminação de Produtos

Atenção: O seu produto está identificado com este símbolo. Significa que os produtos eléctricos e electrónicos não devem ser misturados com o lixo doméstico comum. Existe um sistema de recolhas específico para estes produtos.

A. Informações sobre a Eliminação de Produtos para os Utilizadores (particulares)

1. Na União Europeia

Atenção: Se quiser eliminar este equipamento, não o deve fazer juntamente com o lixo doméstico comum!
O equipamento eléctrico e electrónico deve ser tratado separadamente e ao abrigo da legislação aplicável que obriga a um tratamento, recuperação e reciclagem adequados de equipamentos eléctricos e electrónicos usados.
Após a implementação desta legislação por parte dos Estados-membros, todos os cidadãos residentes na União Europeia poderão entregar o seu equipamento eléctrico e electrónico usado em estações de recolha específicas a título gratuito*.
Em alguns países* o seu revendedor local também pode recolher o seu equipamento usado a título gratuito na compra de um novo equipamento.
*)Contacte as entidades locais para mais informações.
Se o seu equipamento eléctrico e electrónico usado funcionar a pilhas ou baterias, deverá eliminálas em separado, conforme a legislação local, e antes de entregar o seu equipamento.
Ao eliminar este produto correctamente estará a contribuir para que o lixo seja submetido aos processos de tratamento, recuperação e reciclagem adequados. Desta forma é possível evitar os efeitos nocivos que o tratamento inadequado do lixo poderia provocar no ambiente e na saúde.

2. Em outros Países fora da UE

Se quiser eliminar este produto, contacte as entidades locais e informese sobre o método correcto para proceder à sua eliminação.
Na Suíça: O equipamento eléctrico e electrónico é aceite, a título gratuito, em qualquer revendedor, mesmo que não tenha adquirido um novo produto. Poderá encontrar uma lista das estações de recolha destes equipamentos na página da Web www.swicho.ch ou www.sens.ch.

B. Informações sobre a Eliminação de Produtos para Utilizadores-Empresas

1. Na União Europeia

Se o produto for usado para fins comerciais e quiser eliminá-lo:
Contacte o seu revendedor SHARP que irá informá-lo sobre a melhor forma de eliminar o produto. Poderá ter de pagar as despesas resultantes da recolha e reciclagem do produto. Alguns produtos mais pequenos (e em pequenas quantidades) poderão ser recolhidos pelas estações locais.
Na Espanha: Contacte o sistema de recolhas público ou as entidades locais para mais informações sobre a recolha de produtos usados.

2. Em outros Países fora da UE

Se quiser eliminar este produto, contacte as entidades locais e informese sobre o método correcto para proceder à sua eliminação.

Information on Proper Disposal

Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

A. Information on Disposal for Users (private households)

1. In the European Union

Attention: If you want to dispose of this equipment, please do not use the ordinary dustbin!
Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.
Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*.
In some countries* your local retailer may also take back your old product free of charge if you purchase a similar new one.
*) Please contact your local authority for further details.
If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.
By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

2. In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.
For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.

B. Information on Disposal for Business Users

1. In the European Union

If the product is used for business purposes and you want to discard it:
Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.
For Spain: Please contact the established collection system or your local authority for take-back of your used products.

2. In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.

Tietoja laitteen hävittämisestä

Huomio: Tuote on merkitty tällä symbolilla. Tämä tarkoittaa, että käytettyjä sähkö- ja elektroniikkalaitteita ei saa sekoittaa kotitalouden yleisjätteiden kanssa. Näille tuotteille on olemassa erillinen keräysjärjestelmä.

A. Hävitysohjeet käyttäjille (yksityiset kotitaloudet)

1. Euroopan unionissa

Huomio: Jos haluat hävittää tämän laitteen, älä käytä tavallista jätesäiliötä.
Käytetyt sähkö- ja elektroniikkalaitteet pitää hävittää erikseen noudattaen lainsäädäntöä, joka takaa käytettyjen sähkö- ja elektroniikkalaitteiden oikean käsittelyn, keräämisen ja kierrättämisen. Jäsenvaltioiden täytäntöönpanoa seuraten yksityiset kotitaloudet EU:n jäsenvaltioissa voivat palauttaa käytetyt sähkö- ja elektroniikkalaitteet määrättyihin keräyspaikkoihin ilmaiseksi*. Joissakin maissa* paikalliset vähittäismyyjät voivat myös ottaa vastaan vanhan tuotteen ilmaiseksi, jos asiakas ostaa vastaavan uuden tuotteen.
*) Pyydä lisätietoja paikallisviranomaisilta.
Jos käytetyissä sähkö- tai elektroniikkalaitteissa käytetään paristoja tai akkuja, hävitä nämä tuotteet etukäteen erikseen paikallisten säädösten mukaisesti.
Hävittämällä tuotteen asiamukaisesti, autat varmistamaan, että jätteet käsitellään, kerätään ja kierrätetään asianmukaisella tavalla. Näin vältytään haitallisilta ympäristö- ja terveysvaikutuksilta, joita saattaa olla seuraamuksena jätteen epäasianmukaisesta käsittelystä.

2. Muissa maissa EU:n ulkopuolella

Jos haluat hävittää tuotteen, ota yhteys paikallisiin viranomaisiin ja pyydä ohjeita tuotteen asianmukaiseen hävittämiseen.

B. Hävitysohjeet yrityskäyttäjille

1. Euroopan unionissa

Jos tuotetta on käytetty yrityskäytössä, ja haluat hävittää sen,
Oota yhteys SHARP-jälleenmyyjään, joka antaa sinulle lisäohjeita tai ottaa tuotteen vastaan. Sinulta saatetaan veloittaa tuotteen vastaanottamisesta ja kierrätyksestä johtuvat kustannukset. Paikalliset keräyspisteet saattavat ottaa vastaan pienet tuotteet (ja pienet määrät).

2. Muissa maissa EU:n ulkopuolella

Jos haluat hävittää tuotteen, ota yhteys paikallisiin viranomaisiin ja pyydä ohjeita tuotteen asianmukaiseen hävittämiseen.

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Informationen zur Batterieentsorgung

Die für dieses Produkt mitgelieferte Batterie kann Spuren von Blei enthalten.
Für die EU: Die durchgestrichene Abfalltonne bedeutet, dass gebrauchte Batterien nicht mit dem Haushaltsmüll entsorgt werden sollten! Es gibt getrennte Sammelsysteme für gebrauchte Batterien, welche eine ordnungsgemäße Behandlung und Verwertung entsprechend gesetzlicher Vorgaben erlauben. Weitere Einzelheiten erhalten Sie von IhrerGemeindeverwaltung.
Für die Schweiz: Die gebrauchte Batterie kann an der Verkaufsstelle zurückgegeben werden.
Für andere Nicht-EU Staaten: Bitte erkundigen Sie sich bei Bedarf bei Ihrer Gemeindeverwaltung nach weiteren Informationen zur Entsorgung von gebrauchten Batterien.

Information sur la mise au rebut de la pile

Les piles/accus fournies avec ce produit peuvent contenir des traces de Plomb.
Au sein de l'Union Européenne : Le symbole de la poubelle sur roues barrée laisse supposer que les piles/accus usagées ne doivent pas être mélangées avec les déchets ménagers! Il existe un mode de collecte séparé pour les piles/accus usagées, ce qui permet d'effectuer un traitement et un recyclage en accord avec la législation. Veuillez contacter une autorité locale pour plus de renseignements sur le système mis en place.
Pour la Suisse : Les piles/accus usagées doivent être retournées chez votre détaillant.
Pour les pays hors Union Européenne : Veuillez contacter une autorité locale afin de connaître la bonne méthode à utiliser pour la collecte de vos piles/accus usagées.

Información sobre la eliminación de la batería

Las baterías suministradas con este producto contienen pequeñas cantidades de Plomo.
Para EU: El contenedor de basura con ruedas tachado indica que las baterías usadas no deberían mezclarse con los residuos domésticos generales. Existe un sistema de recogida independiente de baterías usadas, para permitir un correcto tratamiento y reciclado de acuerdo con la legislación vigente. Por favor póngase en contacto con el sistema de recogida establecido o con las autoridades locales para la recogida selectiva de las baterías usadas.
Para Suiza: Las baterías usadas deben ser retornadas al punto de venta.
Para otros países fuera de la Unión Europea: Por favor póngase en contacto con las autoridades locales para un correcto procedimiento de eliminación de las baterías usadas.

Information om batteriavyttring

Batteriet som följer med denna produkt kan innehålla spår av Bly.
För EU: Batteriet är märkt med den överkorsade soptunnan vilket betyder att det inte ska kastas i det vanliga hushållsavfallet. Det finns ett separat insamlingssystem för batterier för att underlätta korrekt behandling och återvinning enligt gällande lagstiftning. Kontakta kommunen för vidare information om insamling och återvinning.
För Schweiz: Använda batterier lämnas till inköpsstället.
För länder utanför EU: Kontakta de lokala myndigheterna för information om gällande sorterings- och återvinningsföreskrifter om du behöver göra dig av med ett använt batteri.

Informazioni sullo smaltimento della batteria

La batteria fornita con questo prodotto contiene tracce di Piombo.
Per EU: Il cassonetto barrato indica che le batterie usate non devono essere gettate assieme ai rifiuti domestici! Vi è un sistema di raccolta differenziata per le batterie usate, che consente il loro corretto trattamento e riciclo secondo quanto previsto dalle leggi vigenti. Vi prego di contattare le locali autorità per i dettagli del sistema di raccolta e riciclaggio.
Per la Svizzera: Le batterie usate devono essere restituite al punto vendita.
Per altri Stati non-EU: Vi prego di contattare le autorità locali per conoscere il metodo corretto di conferimento delle batterie usate.

Informatie over afvalverwerking van batterijen

De batterij die bij dit toestel geleverd wordt bevat sporen van Lood.
Voor EU: De doorgestreepte vuilnisbak op wieltjes duidt aan dat de gebruikte batterijen niet mogen terechtkomen in het gewone huishoudelijke afval. Er bestaat een gescheiden ophaalsysteem voor deze gebruikte batterijen om eigen behandeling en recyclage volgens de wetgeving toe te laten. Gelieve de locale autoriteiten te contacteren voor de details van ophaling en recyclage.
Voor Zwitserland: De gebruikte batterij moet bij hetverkooppunt teruggebracht worden.
Voor andere niet EU landen: Gelieve contact op te nemen met uw locale autoriteiten voor de correcte methode van verwerking van de gebruikte batterijen.

Informação sobre Eliminação de Pilhas

A bateria fornecida com este produto contém traços de chumbo.
Para a União Europeia: O contentor de rodas traçado significa que as baterias usadas não deverão ser colocadas junto com o lixo doméstico! Existe um sistema de separação próprio para baterias usadas, para permitir um tratamento e reciclagem própria de acordo com a legislação em vigor. Por favor contacte as autoridades locais para mais detalhes nos esquemas de recolha e reciclagem.
Para a Suíça: As baterias usadas deverão ser devolvidas ao ponto de venda.
Para os outros países fora da União Europeia: Por favor contacte a sua autoridade local para o método correcto de disposição das baterias usadas.

Tietoja paristojen hävittämisestä

Tämän tuotteen mukana oleva paristo/akku saattaa sisältää jäänteitä Lyijy.
EU-maat: Paristo/akku on merkitty yliviivatun roskasäiliön symbolilla, mikä tarkoittaa, että sitä ei saa hävittää kotitalouden yleisjätteiden kanssa. Paristoille/akuille on olemassa erillinen keräysjärjestelmä, joka helpottaa niiden asiamukaista käsittelyä ja lainmukaista kierrätystä. Ota yhteys kuntaviranomaisiin saadaksesi lisätietoa keräyksestä ja kierrätyksestä.
Sveitsi: Käytetyt paristot/akut palautetaan ostopaikkaan.
EU:n ulkopuoliset maat: Ota yhteys paikallisviranomaisiin saadaksesi lisätietoa voimassa olevista lajittelu- ja kierrätyssäädöksistä ja ohjeet käytetyn pariston/akun hävittämiseen.

Information on Battery Disposal

The battery supplied with this product contains traces of Lead.
For EU: The crossed-out wheeled bin implies that used batteries should not be put to the general household waste! There is a separate collection system for used batteries, to allow proper treatment and recycling in accordance with legislation. Please contact your local authority for details on the collection and recycling schemes.
For Switzerland: The used battery is to be returned to the selling point.
For other non-EU countries: Please contact your local authority for correct method of disposal of the used battery.

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ENGLISH

XL-DV75HMKII DVD Micro Component System consisting of XL-DV75HMKII (main unit) and CP-DV75H (speaker system).

Introduction

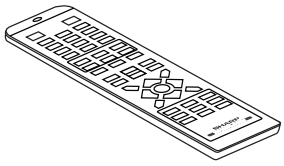
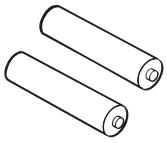
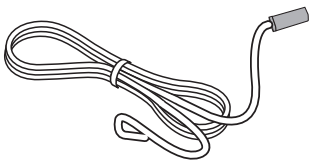
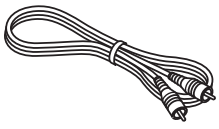
Thank you for purchasing this SHARP product. To obtain the best performance from this product, please read this manual carefully. It will guide you in operating your SHARP product.

Special Note

Supply of this product does not convey a license nor imply any right to distribute content created with this product in revenue-generating broadcast systems (terrestrial, satellite, cable and/or other distribution channels), revenue-generating streaming applications (via Internet, intranets and/or other networks), other revenue-generating content distribution systems (pay-audio or audio-on-demand applications and the like) or on revenue-generating physical media (compact discs, digital versatile discs, semiconductor chips, hard drives, memory cards and the like). An independent license for such use is required. For details, please visit http://mp3licensing.com
MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.

Accessories

Please confirm that the following accessories are included.

			
Remote control x 1	**"AAA" size battery (UM-4, R03, HP-16 or similar) x 2**	**FM aerial x 1**	**Video cable x 1 (Yellow)**

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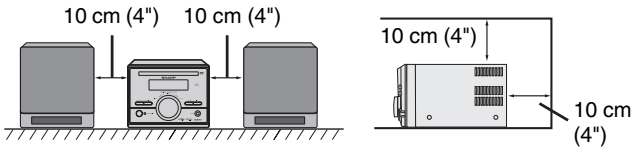
Precautions

■ General

- Please ensure that the equipment is positioned in a well-ventilated area and ensure that there is at least 10 cm (4") of free space along the sides, top and back of the equipment.



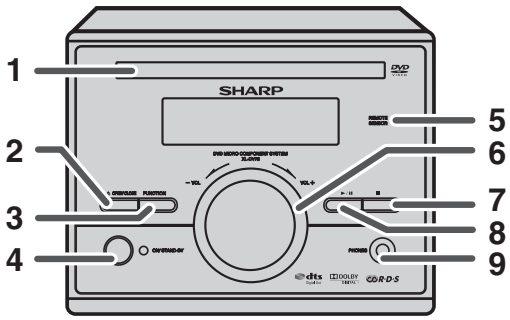
- Use the unit on a firm, level surface free from vibration.
- Keep the unit away from direct sunlight, strong magnetic fields, excessive dust, humidity and electronic/electrical equipment (home computers, facsimiles, etc.) which generate electrical noise.
- Do not place anything on top of the unit.
- Do not expose the unit to moisture, to temperatures higher than 60˚C (140˚F) or to extremely low temperatures.
- If your system does not work properly, disconnect the AC power lead from the wall socket. Plug the AC power lead back in, and then turn on your system.
- In case of an electrical storm, unplug the unit for safety.
- Hold the AC power plug by the head when removing it from the wall socket, as pulling the lead can damage internal wires.
- The AC power plug is used as a disconnect device and shall always remain readily operable.
- **Do not remove the outer cover, as this may result in electric shock. Refer internal service to your local SHARP service facility.**
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Attention should be drawn to the environmental aspects of battery disposal.
- This unit should only be used within the range of 5˚C - 35˚C (41˚F - 95˚F).
- The apparatus is designed for use in moderate climates.

Warning:
The voltage used must be the same as that specified on this unit. Using this product with a higher voltage other than that which is specified is dangerous and may result in a fire or other type of accident causing damage. SHARP will not be held responsible for any damage resulting from use of this unit with a voltage other than that which is specified.

■ Volume control

The sound level at a given volume setting depends on speaker efficiency, location, and various other factors. It is advisable to avoid exposure to high volume levels. Do not turn the volume on to full at switch on and listen to music at moderate levels. Excessive sound pressure from earphones and headphones can cause hearing loss.

Controls and indicators



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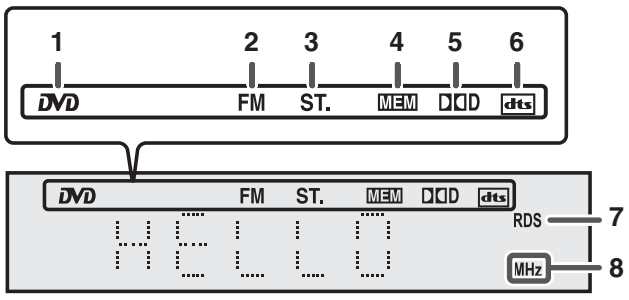

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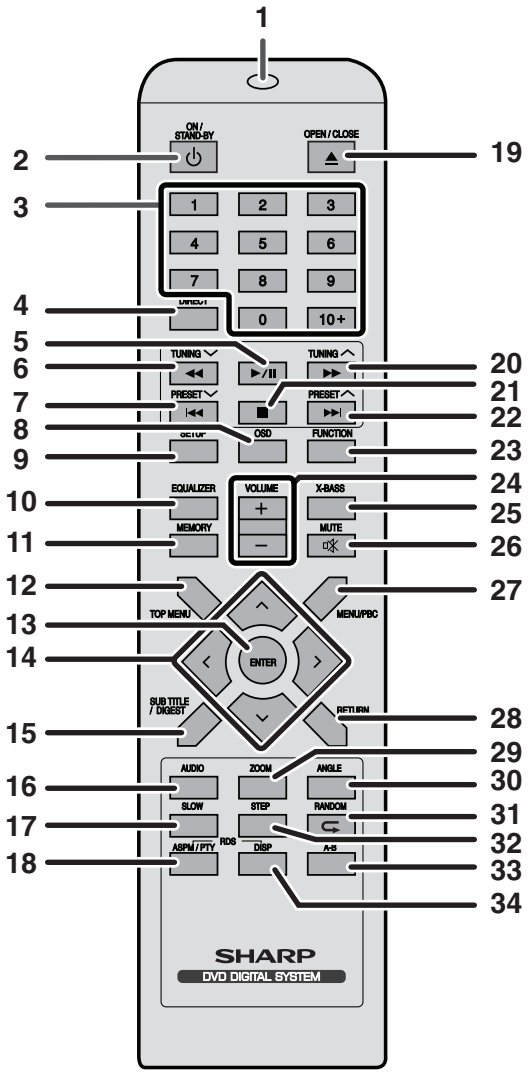

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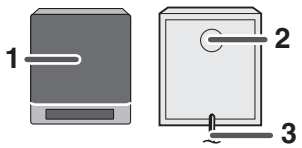

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18. RDS ASPM/PTY Button 27, 28
19. Disc Tray Open/Close Button 13
20. Fast Forward or Tuning Up Button 14, 26
21. Stop Button. 13, 16, 19, 20, 21, 23
22. Chapter (Track) Skip Up or Preset Up Button 14, 19, 20, 21, 24, 26
23. Function Button 26
24. Volume Up and Down Buttons 12
25. X-Bass Button. 12
26. Mute Button 12
27. Menu/PBC Button. 17, 19, 23
28. Return Button 19
29. Zoom Button 15, 16
30. Angle Button. 15, 16
31. RANDOM/Repeat Button 16, 20, 21, 22, 23, 24
32. Step Button. 15
33. A-B Repeat Button 17
34. RDS Display Button 27, 28

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Types of playable discs

The DVD player can play back discs bearing any of the following marks:

Disc type	Disc contents
DVD Video Disc	Audio and video (movies)
Super Video CD	Audio and video (movies)
Video CD	Audio and video (movies)
Audio CD	Audio
CD-R/CD-RW (*1) Or CD-R/CD-RW recorded in JPEG format (*2) (*3)	Audio and picture
DivX® Video disc (Ver 5.2 and below)	Audio and video (movies)

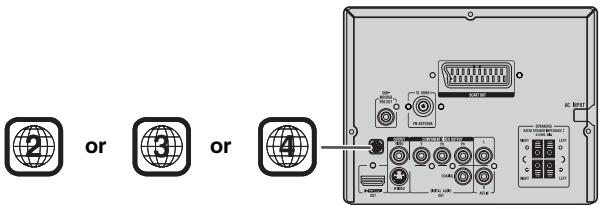
(*1): The CD-R/CD-RW may not be played back properly depending on the recording equipment or the disc.

(*2): JPEG or JPG picture discs also play on this unit. However, pictures may not be clear (depends on resolution and recording method).

(*3): Maximum JPEG file size is 10Mb.
If photo bigger than this size, it will take some time for the file to be displayed.

- For unplayable discs, see page 5.

Types of playable DVD discs vary depending on the region. This unit can play back only DVDs with the same region number are written on the back of the unit.



Icons used in this operation manual
Some functions may not be available depending on discs. The following icons indicate the discs that can be used in the section.

- DVD ... Indicates DVDs.
- SVCD ... Indicates Super video CDs.
- VCD ... Indicates video CDs.
- CD ... Indicates audio CDs.
- JPEG ... Indicates CD-R/RW with JPEG recording.
- DivX ... Indicates DivX® Video.

- Some operations may not be performed depending on discs even if they are described in this manual.
- During operation, "⊘" may be displayed on the screen. This means that the operations described in this manual are not possible.

Copyright Information:

- Unauthorised copying, broadcast, public display, transmission, public performance and rental (regardless of whether or not such activities are for profit) of disc contents are prohibited by law.
- This system is equipped with copy protection technology that causes substantial degradation of images when the contents of a disc are copied to a videotape.
- This system is protected by U.S. patents and other intellectual property rights, the copyright for which belongs to Macrovision Corporation. The use of Macrovision's copy protection technology in the system is authorised by Macrovision and is intended for home use only, unless otherwise authorised in writing by Macrovision. Reverse engineering or disassembly is prohibited.

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Description of discs

■ Discs that cannot be played

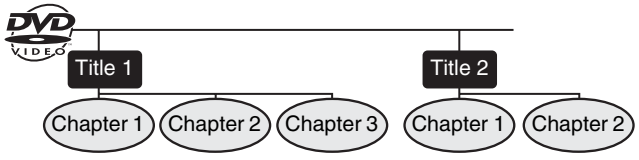
- DVDs without the region number on the disc.
- DVDs with SECAM system
- DVD-ROM
- DVD-RAM
- DVD-Audio
- CDG
- CDV
- Photo CD
- CD-ROM
- SACD
- Discs recorded in special formats, etc.

- The discs above cannot be played at all, or no sound is heard although images appear on the screen or vice versa.
- Incorrect operation may damage the speakers and can have a negative effect on your hearing when played at high volume settings.
- You cannot play illegally produced discs.

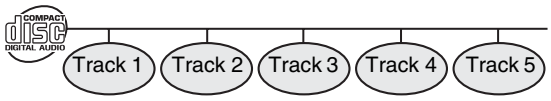
Notes:
- A disc which has scratches or fingerprints may not play properly. Refer to “Care of compact discs” (page 30) and clean the disc.
- Do not play the discs of special shapes (heart or octagon shaped) as they can be ejected whilst rotating and cause injury.

■ Title, chapter and track

DVDs are divided into “titles” and “chapters”. If the disc has more than one movie on it, each movie is a separate “title”. “Chapters” are subdivisions of titles.



Audio CDs consist of “tracks”.
A “track” is each tune on an audio CD.



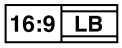
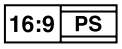
Note:
Title, chapter, or track numbers may not be recorded on some discs.

■ DivX®

- Official DivX Certified™ product.
- Plays all versions of DivX® video (including DivX® 6) with standard playback of DivX® media files. (DivX® version cannot be upgraded on this product.)

■ Icons used on DVD discs

Check the icons on the DVD case before playing your discs.

Display	Description
Region number (playable area number)	DVD discs are programmed with region numbers indicating countries in which they can be played. This system can play discs with region number on the back of the unit.
Format recorded on the DVD	To adopt the video format to the connected TVs (“wide-screen TV” or “4:3 size TV”).
	Recorded in 4:3.
	You can enjoy wide images on a wide-screen TV and letterbox size images on the 4:3 size TV.
	You can enjoy wide images on a wide-screen TV and 4:3 images with the side edges cut on the 4:3 size TV.
Type of subtitles recorded Example: 1: English 2: French	Recorded subtitle languages. Language can be selected with the SUB TITLE/DIGEST button.
Number of camera angles	Number of angles recorded on the DVD. Angles can be selected with the ANGLE button.
Number of audio tracks and audio recording systems Example: 1: Original <English> (Dolby Digital 2 Surround) 2: English (Dolby Digital 5.1 Surround)	The number of audio tracks and audio recording systems are indicated. ● The audio recorded on the DVD can be switched by using the AUDIO button. ● The number of audio tracks and recording systems vary depending on the DVD. Check them in the DVD's manual.

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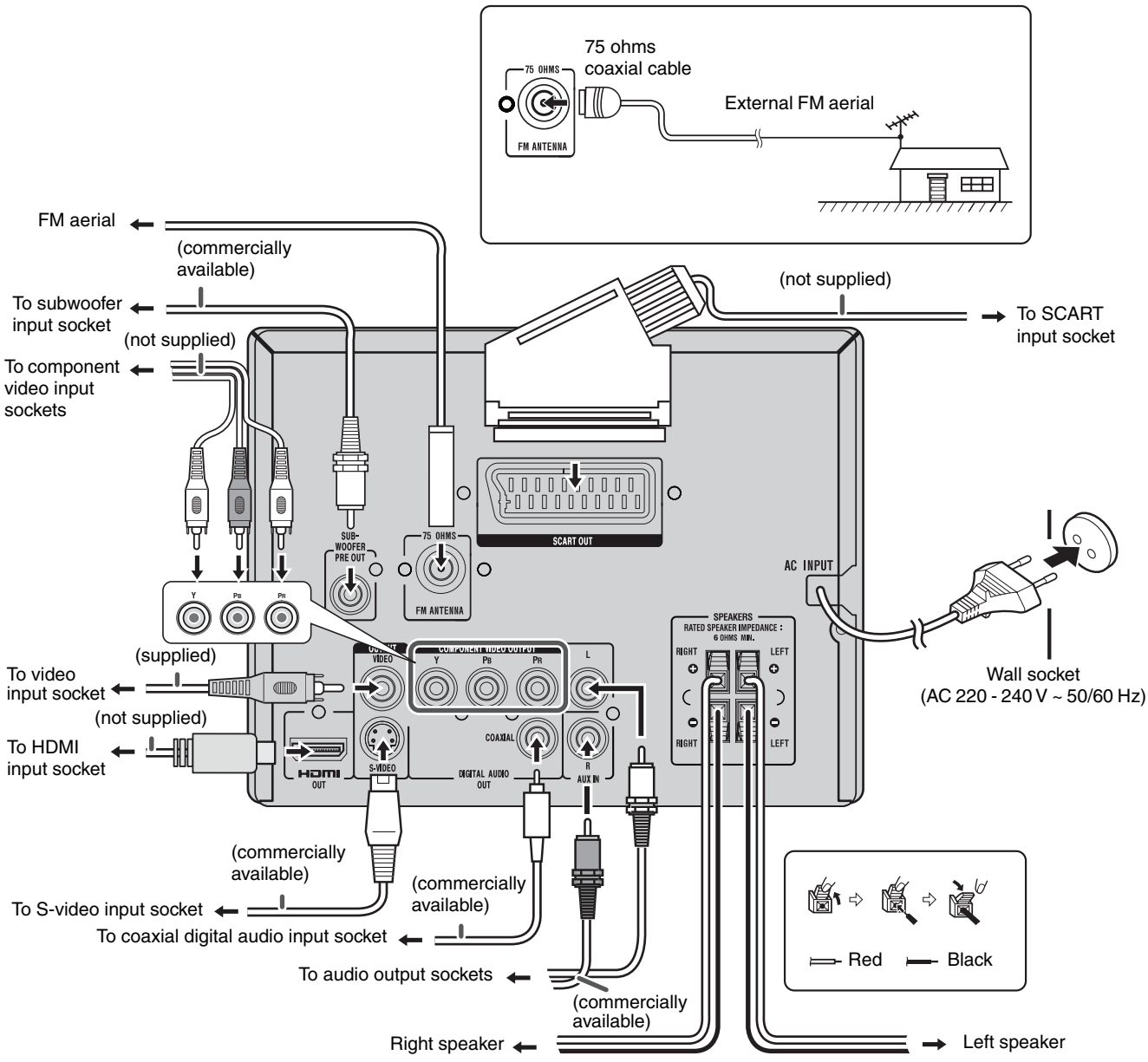
System connections

Make sure to unplug the AC power lead before making any connections.



■ Aerial connection

Supplied FM aerial:
Connect the FM aerial wire to the FM ANTENNA 75 OHMS socket and position the FM aerial wire in the direction where the strongest signal can be received.

Note:
Placing the aerial on the unit or near the AC power lead may cause noise pickup. Place the aerial away from the unit for better reception.

■ External FM aerial

Use an external FM aerial if you require better reception. Consult your dealer.

Note:
When an external FM aerial is used, disconnect the supplied FM aerial wire.

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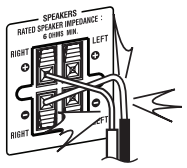
■ Speaker connection

Connect the black wire to the minus (–) terminal, and the red wire to the plus (+) terminal.

Caution:

- Use speakers with an impedance of 6 ohms or more, as lower impedance speakers can damage the unit.
- Do not mistake the right and the left channels. The right speaker is the one on the right side when you face the unit.
- **Do not let the bare speaker wires touch each other.**
- Do not allow any objects to fall into or to be placed in the bass reflex ducts.
- Do not stand or sit on the speakers. You may be injured.



Incorrect

■ AC power connection

After checking all the connections have been made correctly, plug the AC power lead of this unit into the wall socket. If you plug in the unit first, the unit will enter the stand-by mode.

Note:
Unplug the AC power lead from the wall socket if the unit will not be in use for a prolonged period of time.

Remote control

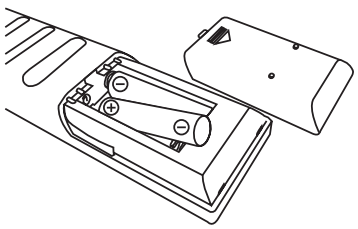
■ Battery installation

1 Open the battery cover.

2 Insert the supplied batteries according to the direction indicated in the battery compartment.

When inserting or removing the batteries, push them towards the ⊖ battery terminals.

3 Close the cover.



Precautions for battery use:

- Replace all old batteries with new ones at the same time.
- Do not mix old and new batteries.
- Remove the batteries if the unit will not be used for long periods of time. This will prevent potential damage due to battery leakage.

Caution:

- Do not use rechargeable batteries (nickel-cadmium battery, etc.).
- Installing the batteries incorrectly may cause the unit to malfunction.
- Batteries (battery packed or battery installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

Battery removal:
Open the battery cover and pull up the battery to take out.

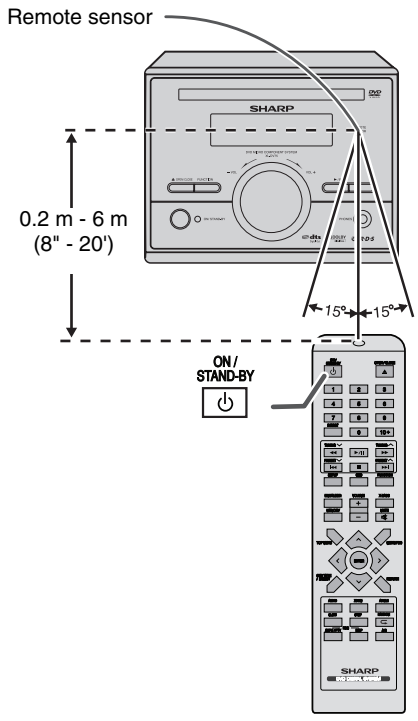
Notes concerning use:

- Replace the batteries if the operating distance is reduced or if the operation becomes erratic. Purchase 2 “AAA” size batteries (UM-4, R03, HP-16 or similar).
- Periodically clean the transmitter on the remote control and the sensor on the unit with a soft cloth.
- Exposing the sensor on the unit to strong light may interfere with operation. Change the lighting or the direction of the unit if this occurs.
- Keep the remote control away from moisture, heat, shock, and vibrations.

■ Test of the remote control

After installing the unit (see pages 6 - 7), check that the remote control operates correctly.
Point the remote control directly at the remote sensor on the unit.

The remote control can be used within the range shown below:
Press the ON/STAND-BY button. Does the power turn on? Now, you can use the unit.



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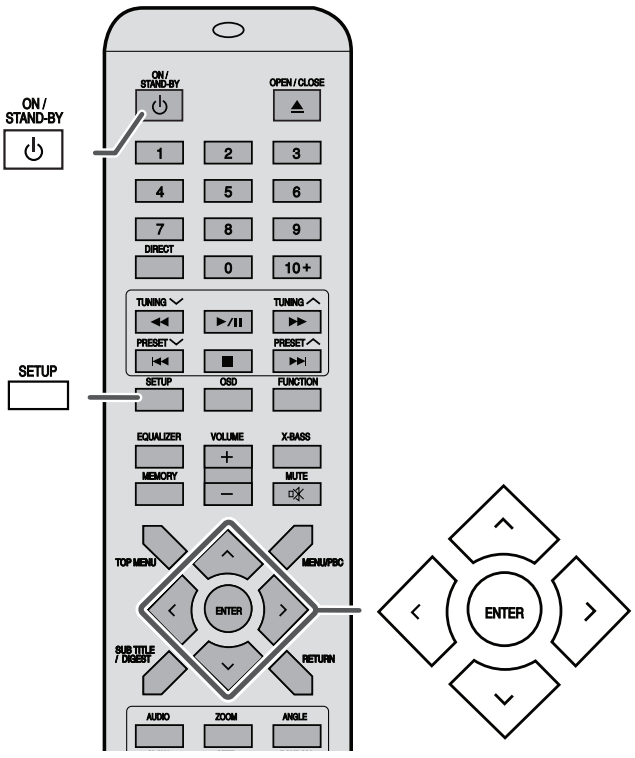
Changing the setup menu

Turn on the TV, and switch the input to the "VIDEO 1", "VIDEO 2", etc. accordingly.



1 Press the ON/STAND-BY button to turn the power on.
- The startup screen appears.
- The startup screen does not appear when the input is not set to the disc mode. Press the FUNCTION button to select DVD/CD mode.

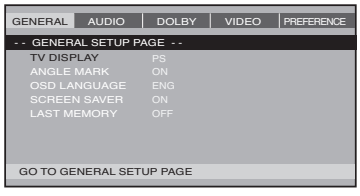
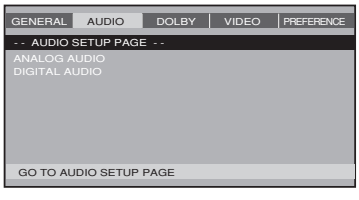
2 Press the SETUP button.

3 Press the ◄ or ► button to select a menu and press the ENTER button.
- See the list on pages 8 - 10 for setup menu.

4 Press the ▲, ▼, ◄ or ► button to change the setting and press the ENTER button.
- See the list on pages 8 - 10 for the selectable parameters.

5 Press the SETUP button.
- The setting is completed.
- To change other settings, begin from step 2.

Notes:
- During playback, "PREFERENCES" settings cannot be changed.
- Settings are stored even if the unit is set to the stand-by mode.
- The backup function protects the stored settings for a few hours should there be a power failure or the AC power lead disconnection.
- If the startup screen is blurred, change the TV type in the setup menu.

Setup menu	Selectable parameters (* indicates default setting)				Description
General		TV DISPLAY	4:3 PANSCAN* 4:3 LETTERBOX 16:9 WIDE SQUEEZE		The screen mode should be set according to the connected TV type (for details, see page 10).
		ANGLE MARK	ON* OFF		
		OSD LANGUAGE	ENGLISH* FRENCH GERMAN ITALIAN PORTUGUESE SPANISH		You can select the desired OSD (On Screen Display) language for the setup menu or playback control screen.
		SCREEN SAVER	ON*		A screen saver appears.
			OFF		The screen saver disabled.
		LAST MEMORY	ON*		If accidentally push ON/STAND-BY or OPEN/CLOSE or FUNCTION button during playback mode, you can resume playback from the point playback is stopped after power on back or you push the OPEN/CLOSE button to close the disc tray.
			OFF		Last memory not function.
Audio		ANALOG AUDIO	DOWNMIX	LT/RT STEREO*	
		DIGITAL AUDIO	DIGITAL OUTPUT	SPDIF OFF SPDIF/ RAW* SPDIF/ PCM	Useful whilst using HDMI cable. When playing a disc recorded with Dolby Digital or DTS, the corresponding digital signals will be output from the HDMI Output socket. ● PCM : Choose this setting if the HDMI TV cannot support Dolby Digital or DTS to avoid noise or mute from the TV. ● RAW : Choose this setting if the HDMI TV can support Dolby Digital or DTS.
			LPCM OUTPUT	48K* 96K	Select the sampling frequency at 48 kHz/ 16 bit or 96 kHz/24 bit capability after you select SPDIF/PCM at SPDIF SETUP.

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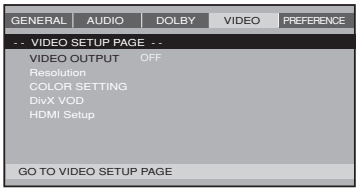
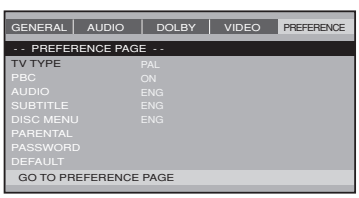
Changing the setup menu (continued)

Setup menu	Selectable parameters (* indicates default setting)			Description
Dolby		DUAL MONO	STEREO* L-MONO R-MONO MIX-MONO	
		DYNAMIC (*1)	FULL	Audio with fully compressed dynamic range.
			3/4 1/2 1/4	Audio with partially compressed dynamic range.
			OFF*	Audio with uncompressed dynamic range.
Video		VIDEO OUTPUT (*2)	S-VIDEO COMPONENTS SCART*	●SVIDEO : Choose this setting for S-VIDEO output. ●COMPONENTS: Choose this setting for COMPONENT output. ●SCART : Choose this setting for SCART output.
		RESOLUTION	480I 576I 720P (50Hz)* 1080I (50Hz) 1080P (50Hz) 720P (60Hz) 1080I (60Hz) 1080P (60Hz)	You can select HDMI resolution whilst using HDMI cable. If you use TV without multi-system (PAL or NTSC only) whilst doing HDMI setup, select any resolution with 50 Hz only for PAL system. Whilst for TV with NTSC system, select any resolution with 60 Hz.
		COLOR SETTING	SHARPNESS: HIGH MEDIUM* LOW	
			BRIGHTNESS: -20 –> 0* –> +20	
			CONTRAST: -16 –> 0* –> +16	
			GAMMA: HIGH MEDIUM* LOW NONE	
			HUE: -9 –> 0* –> +9	
			SATURATION: -9 –> 0* –> +9	
			LUMA DELAY: 0T* 1T	
		DivX VOD	OK	SHARP provide you the DivX registration code that allows you to rent and purchase videos using the DivX service. Please go to www.divx.com/vod for more information.
		HDMI SETUP	HDMI: ON* OFF	
			AUDIO SOURCE: AUTO*	
			PCM	
Preference		TV TYPE	PAL* AUTO NTSC	Please refer page 10.
		PBC	ON* OFF	Please refer page 19.
		AUDIO	ENGLISH* GERMAN FRENCH PORTUGUESE SPANISH ITALIAN	Select the language audible from the speakers.
		SUBTITLE	ENGLISH* GERMAN FRENCH PORTUGUESE SPANISH ITALIAN OFF	Select the subtitle displayed on the TV screen.
		DISC MENU	ENGLISH* GERMAN FRENCH PORTUGUESE SPANISH ITALIAN	

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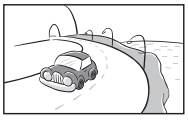
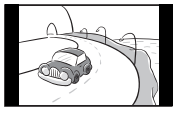
Changing the setup menu (continued)

Setup menu	Selectable parameters (* indicates default setting)			Description
		PARENTAL	1 KID SAFE 2 G 3 PG 4 PG 13 5 PGR 6 R 7 NC 17 8 ADULT*	Set a restriction level for DVD viewing. (For details, see page 11)
		PASSWORD	PASSWORD / CHANGE	See page 11 for password setting.
		DEFAULT	RESET	This resets all setting (Except for Parental and Password) to factory default.

(*1)
Selects the dynamic range compression to fit the individual listening situation of the audience. This function can be used in DVD playback. Depending on the disc, sounds may become too loud or inaudible during playback. Dolby Digital's dynamic range control allows you to adjust the sound range.
(*2)
Selecting resolution in SCART/COMPONENTS output has no effect on the SCART/COMPONENTS output resolution.

■ TV display setting

Indicator	Setting
4:3 PANSCAN	When playing a wide image (16:9) disc, the left and right sides of the image are cut (pan scan) to display a natural-looking 4:3 size image. A wide image disc without pan scan PS is played back in 4:3 letterbox. A 4:3 disc is played in 4:3.
4:3 LETTERBOX	When playing a wide image (16:9) disc, black bands are inserted at the top and bottom and you can enjoy full wide images (16:9) on a 4:3 size TV. A 4:3 disc is played in 4:3.
16:9	A wide image (16:9) is displayed when playing a wide image (16:9) disc.  ● When playing a 4:3 image disc, the image size depends on the setting of the connected TV. ● If you play back a wide image (16:9) disc with this unit connected to a 4:3 TV, the vertically shrunk image is displayed.
WIDE SQUEEZE	When play 4:3 disc with this unit connected to a 16:9 TV (wide screen TV), the horizontally expended image is displayed. If you use this setting, a natural looking image 4:3 size can be viewed with the black bands are inserted at the left and right of the screen.  ● If you playback a wide image (16:9) disc with 4:3 TV, the vertically shrunk image is displayed.

Note:
When playing the disc with a fixed video format, it will not change even if the TV screen size is changed.

■ TV type setting

Indicator	Setting
AUTO	Select this mode for the multi-system TV.
NTSC	Select this mode for the NTSC TV.
PAL	Select this mode for the PAL TV.

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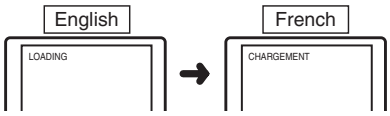
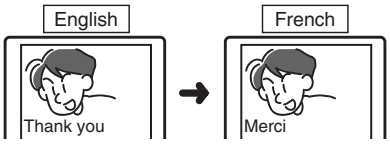
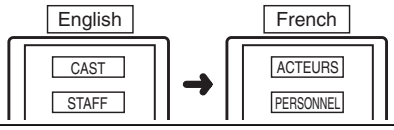
■ Language setting

Indicator	Setting
OSD LANGUAGE	A language for screen display can be set for the setup menu, messages, etc. 
AUDIO	A language for audio can be set. You can specify a language for conversation and narration.
SUBTITLE	A language for subtitle can be set. The subtitles are displayed in a specified language. 
DISC MENU	A language for disc menus can be set. Menu screens are displayed in a specified language. 

■ Parental setting

1 Select “PREFERENCES” on the setup menu screen (see steps 1 - 3 on page 8).

2 After selecting “PARENTAL” in step 4 on page 8, select the parental level and press the ENTER button.

3 Enter a 6-digit password using the Direct Search buttons and press the ENTER button.

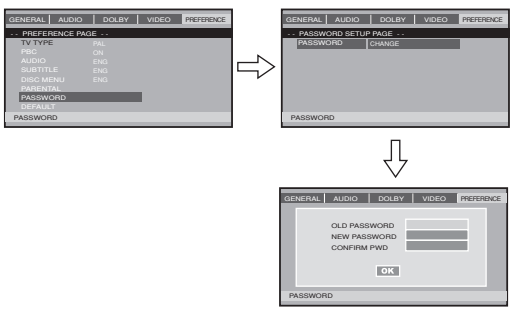
* If this is the first time, enter “000000”.

Indicator	Setting
1 KID SAFE	Only DVD software intended for children can be played back.
2 G to 7 NC-17	Only DVD software intended for general use and children can be played back.
8 ADULT	DVD software of any grade (adult/general/children) can be played back.

Note:
Whilst playing a disc with parental lock, the display may appear requesting a password in order to watch some restricted scenes. In such case, enter the password to temporarily change the parental level.

■ Password setting

From the setup menu, select “PASSWORD SETUP PAGE”, “PASSWORD” and then “CHANGE”. A screen appears.



1 Enter the old password using the Direct Search buttons. (If this is the first time, enter “000000”).

2 Enter the new password using the Direct Search buttons.

3 Enter the new password again for confirmation.

Note:
When you forget your password, follow below sequence.

At setup menu, select “PASSWORD SETUP PAGE”, “PASSWORD” and then “CHANGE”.

1. Enter the old password as “000000” using the Direct Search buttons.
2. Enter the new password.
3. Enter the new password again for confirmation.

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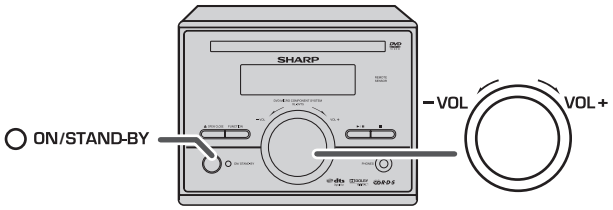
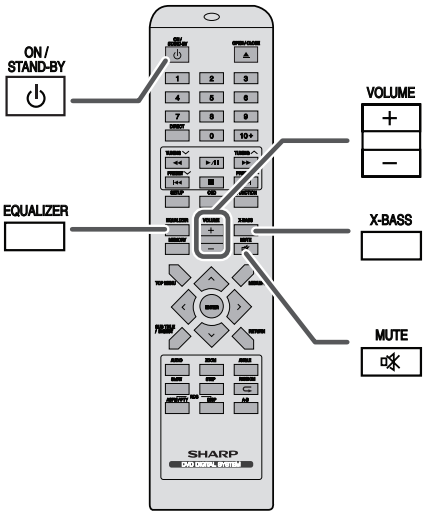




■ To turn the power on

Press the ON/STAND-BY button to turn the power on.

After use:
Press the ON/STAND-BY button to enter the power stand-by mode.
At STAND-BY mode, red indicator will light up.

■ Auto power off function

In the stop mode of DVD/CD operation, the main unit enters the stand-by mode after 15 minutes of inactivity.

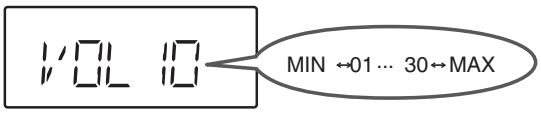
■ Volume auto set-in

- If you turn off and on the main unit with volume set to 16 or higher, the volume will start at 16.
- If you turn the unit off then on again with the volume level set to less than 15, it will turn on again at the level set.

■ Volume control

Main unit operation:
When the VOLUME control is turned clockwise, the volume will increase. When it is turned anti-clockwise, the volume will decrease.

Remote control operation:
Press the VOLUME (+ or –) button to increase or decrease the volume.



■ Extra bass control (X-BASS)

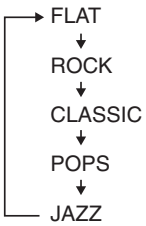
When the X-BASS button is pressed, the unit will enter the extra bass mode which emphasises the bass frequencies and “X-BASS ON” will appear.
To cancel the extra bass mode, press the X-BASS button again.

■ Muting

The volume is muted temporarily when pressing the MUTE button on the remote control. Press again to restore the volume.
* TV screen displays “MUTE” when press MUTE button.

■ Equaliser

When the EQUALIZER button on the remote control is pressed, the current mode setting will be displayed. To change to a different mode, press the EQUALIZER button repeatedly until the desired sound mode appears.



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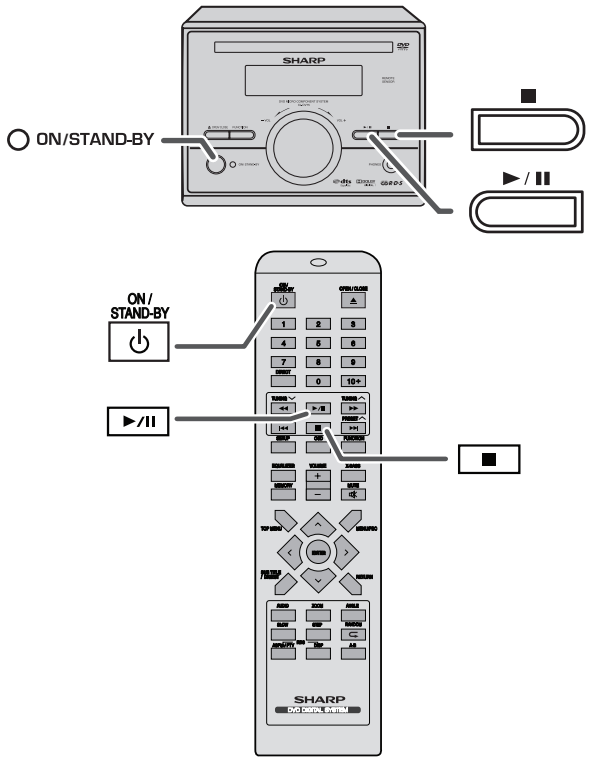

■ Playback

DVD CD MP3 JPEG DivX SVCD VCD

1 Press the ON/STAND-BY button to turn the power on.

2 When the input is not set to the disc mode, press the FUNCTION button repeatedly to display the startup screen.
The startup screen appears.

3 Press the ▲ (▲) button to open the disc tray.

4 Place the disc on the disc tray, label side up.
Be sure to place 8 cm (3") discs in the middle of the disc position.

5 Press the ▲ (▲) button to close the disc tray.
Discs supporting auto start will start to play once you close the disc tray even if you do not press the ►/II (►/II) button.

6 If playback does not start in step 5, press the ►/II (►/II) button.

Note:
During operate FM/AUX, OPEN/CLOSE CD tray will change to DVD function.

To interrupt playback:
Press the ►/II (►/II) button.
To resume playback from the same point, press the ►/II (►/II) button.

To stop playback
DVD:
Press the ■ (■) button twice.

Audio CD/MP3
Press the ■ (■) button.

When the unit is left unoperated for more than 5 minutes after pressing the ■ (■) button, a screen saver appears (see page 8 when the screen saver setting is "ON").
Press any button on the main unit or remote control. The startup screen returns.

Caution:
- Close the disc tray when not in use. Otherwise, dust may accumulate inside and cause malfunction.
- The unit gets slightly warm when used for a long time. It does not mean the unit is damaged.
- When attempting to play discs with scratches or of a different region number, or unplayable or restricted (*1) discs, an error message will appear on the TV display and the disc will not play.

(*1) Viewing is prohibited on some DVDs according to the audience age.

Notes:
- During disc initialisation, the volume cannot be adjusted.
- Stop positions may be recorded on some discs. When you play such a disc, playback stops there.
- During an operation, "⊘" may appear indicating that the operation is disabled by the disc.
- The main unit detects loaded discs automatically and then the indicators light up.

■ To resume playback after stopping (resume play)

DVD

You can resume playback from the point playback is stopped.

1 Whilst a disc is playing, press the ■ (■) button.
The system stores the point you stopped.

2 To restart play, press the ►/II (►/II) button.
Play resumes from the point you stopped.

To cancel the resume playback:
Press the ■ (■) button twice.

Notes:
- The resume playback feature is disabled on some discs.
- Depending on the disc, playback may resume from slightly before the stopped position.

■ DVD mode operation indicators

DVD

The following are examples of operation indicators that appear during DVD playback.

Operation	TV screen	Unit display
When the power is on without a disc.	NO DISC	NO DISC
Disc data is being read.	LOADING	LOADING
Stop	■	STOP
Play	►	001 0009
Pause	II	001 0009

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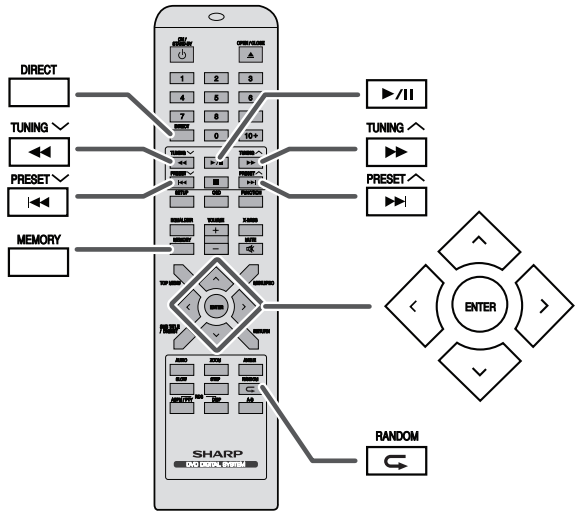


■ To locate the beginning of a chapter (track) (skip)

DVD SVCD VCD CD MP3 JPEG

You can move to other tracks with simple operations.
When playing SVCD or VCD, cancel the P.B.C. (playback control) (see page 19).

Whilst a disc is playing, press the ⏮ or ⏭ button.

- Use the ⏭ button to skip to the next chapter (track).
- Use the ⏮ button to skip to the previous chapter (track).
- On SVCD, VCD and Audio CD, press the ⏮ button to skip to the beginning of the current track. Press the ⏮ button again (twice) to skip to the beginning of the previous track.

Notes:

- Some discs do not display the chapter (track) and the skip feature is disabled.
- On a DVD, skip does not operate between titles.

■ Fast forward/Fast backward (search)

DVD SVCD VCD CD MP3 DivX

You can search the desired point as you play the disc.

1 Whilst a disc is playing, press the ◀◀ or ▶▶ button.
Example: When the ▶▶ button is pressed.
On DVD/DivX/SVCD/VCD/Audio CD/MP3, the speed changes as follows:

PLAY (Normal play) → 2 X → 4 X → 8 X → 16 X → 32 X

The disc is forwarded by the ▶▶ button and backward by the ◀◀ button.

2 Press the ►/II (►/II) button to return to the normal playback.

Notes:

- On some discs, the search function is disabled.
- On a DVD, search does not operate between titles.
- On SVCD, VCD, DivX and MP3, the search does not operate between tracks.
- Whilst searching on a DVD, the sound is not heard and the subtitles do not appear.
- Whilst searching on a SVCD or a VCD, the sound is not heard.
- When search is performed during the DVD playback, pictures may not be forwarded or reversed in the search speed specified in this manual, depending on the disc or the scene being played.
- The search does not operate on JPEG discs.

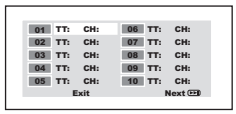
■ To play in the desired order (programmed play)

DVD

You can playback the desired tracks with titles or chapters in a specific order. Maximum of 20 tracks can be programmed.

1 Whilst in the stop or playback mode, press the MEMORY button.

TV screen

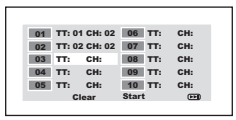


2 Enter title or chapter number with the Direct Search buttons.

- To specify title or track 1, enter “1”.
- If you enter the wrong numbers, press ▲ or ▼ button to select the concerned track and then reenter the new numbers.
- To clear all the numbers those entered, press MEMORY button twice.

3 Press ▼ button to select “Start” and then press ENTER button to start playback the programmed track(s).

TV screen



To change the programmed contents:
Repeat the above procedures from step 1.

Programmed contents will be cleared when you perform the following operations:

- Change to another function or remove the discs.
- Set to the stand-by mode.
- Press the cursor button to select “Clear” and then press ENTER button.

■ To start playback from the desired point (direct play)

DVD

To select and play the desired title and chapter:
In the stop mode

1 Whilst in the stop mode, press the DIRECT button.

TV screen

2 Within 10 seconds, enter the title number first then only can enter the chapter number by using the Direct Search buttons.
Press ◄ or ► button for title or chapter selection.
Example:
To select title or chapter 1: Press “1”.
To select title or chapter 12: Press “10+” and “2”.
To select title or chapter 22: Press “10+” twice and “2”.

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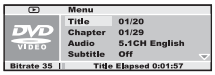
Basic operation (continued)

In the playback mode

1 Whilst in the playback mode, press the DIRECT button.

TV screen



2 Select the title or chapter by pressing the ▲ or ▼ button and press the ENTER button.

3 Enter the title or chapter number using the Direct Search buttons.
To select chapter 1: Press "0" and "1".
To select chapter 12: Press "1" and "2".
Playback starts after you complete enter the number(s).

4 Press the DIRECT button to return to the actual size of image (standard screen).

Notes:
- Direct play feature is disabled on some discs.
- Some discs may not display the chapter number.
- With DVDs, you can specify the desired point only in the current title and not in another title.

To play by specifying time (time search):
You can playback from the desired point by specifying the time.

1 Whilst in the playback mode, press the DIRECT button.

TV screen

2 Press ▼ or ▲ button to select "TT Time" then press the ENTER button.

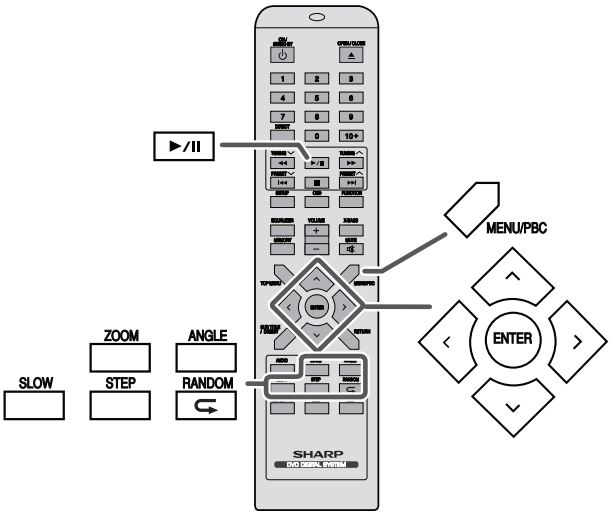
3 Specify the time with the Direct Search buttons.

- To specify 1 hour 23 minutes and 40 seconds, enter "12340".
- If you enter the wrong number, start over from step 1.
- Playback starts after you complete enter the number(s).

4 Press the DIRECT button to return to the actual size of image (standard screen).

Notes:
- Some discs cannot play from the specified point.
- Time search feature is disabled on some discs.

Useful operation



■ Still picture

DVD SVCD VCD DivX

You can freeze the picture during playback.

1 Whilst a disc is playing, press the ►/II button.

2 The image or picture will freeze on TV screen.
"II" appears on the TV screen.
- The unit display counter will blink.

Note:
The sound is muted during still picture.

■ Step function (Frame by frame advance playback)

DVD SVCD VCD DivX

You can advance frame by frame.

1 Whilst a disc is playing, press the STEP button.
Each press of the STEP button advances the frame.

2 Press the ►/II button to return to the normal playback.

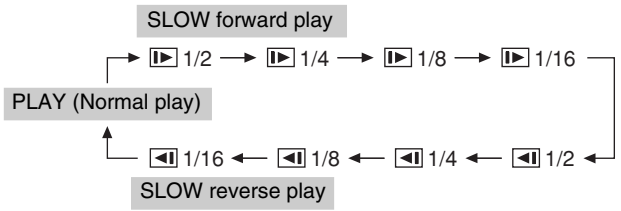
Notes:
- Frame playback operates forward only.
- Still picture and frame advance features are disabled on some discs.
- The sound is muted during step function.

■ Slow-motion play

DVD SVCD VCD DivX

You can slow down the playback speed.

1 Whilst a disc is playing, press the SLOW button repeatedly to select the desired speed.
On DVD, the speed changes as follows:



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On SVCD/VCD/DivX, only forward play is possible and the speed changes as follows:

2 Press the ►/II button to return to the normal playback.

Note:
On some discs, the slow-motion play functions are disabled.

■ To change the angle

DVD

You can change the angle of view when playing a DVD disc that contains scenes recorded from multiple angles.

When " " is displayed in the upper right corner of the TV screen, press the ANGLE button repeatedly to select the desired angle number.

Notes:
- The angle number is not displayed if angles are not recorded on the disc.
- Refer to the manual of the disc as the operation may vary depending on the disc.

■ To zoom images (zoom)

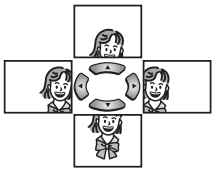
DVD SVCD VCD DivX

You can magnify images during playback.

1 Whilst a disc is playing, press the ZOOM button.
Each press of the ZOOM button cycles through the zoom setting as follows:

2 X → 3 X → 4 X → 1/2 → 1/3 → 1/4 → OFF

2 To shift the view and display the desired part of a zoomed image, press the ▲, ▼, ◄ or ► button repeatedly.



To return to normal view:
Press the ZOOM button repeatedly.

Notes:
- Images may become distorted when zoomed.
- Subtitles cannot be zoomed.

■ To play repeatedly (repeat play)

DVD SVCD VCD CD MP3

You can play a chapter (track) or a title repeatedly by specifying it during playback.
When playing SVCD or VCD, cancel the P.B.C. (playback control) (see page 19).

1 Whilst a disc is playing, press the RANDOM/⇄ button.

TV screen

CHAPTER

Each time the button is pressed, the repeat play mode changes in the following order.
The repeat play mode changes as follows on DVD:

"CHAPTER"	Repeat the currently playing chapter.
"TITLE"	Repeat the currently playing title.
"ALL"	Repeat the currently playing disc.
REPEAT OFF	The normal playback.

The repeat play mode changes as follows on SVCD/VCD:

"ONE"	Repeat the currently playing track.
"ALL"	Repeat the currently playing disc.
REPEAT OFF	The normal playback.

The repeat play mode changes as follows on audio CD:

"ONE"	Repeat the currently playing track.
"ALL"	Repeat the currently playing disc.
"RANDOM"	Randomly play the track.
REPEAT OFF	The normal playback.

MP3, DivX and JPEG are displayed when menu screen is "ON" (see page 22).

2 To return to the normal playback, press the REPEAT button repeatedly until no display on TV screen.

Caution:
After performing repeat play, be sure to press the ■ button. Otherwise, the disc will play continuously.

Note:
On some discs, the repeat play function is disabled.

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■ To play the contents between the specified points repeatedly (A-B repeat)

DVD SVCD VCD CD MP3

You can play the desired portion repeatedly by specifying it during playback.

1 Whilst a disc is playing, press the A - B button.

TV screen

A

This registers the start point (A).

2 Press the A - B button again to enter the end point (B).

TV screen

AB

This starts A-B repeat play from the start point (A) to the end point (B).

3 Press the A - B button to return to the normal playback.

Notes:
- A-B repeat play is disabled on some discs.
- A-B repeat play for DVD is possible only within a title.
- A-B repeat play for SVCD/VCD is possible only within a track.
- Some scenes on DVD may not allow A-B repeat play.

■ To select a title from the top menu of the disc

DVD

On a DVD with multiple titles, you can select a title from the top menu.

1 Whilst in the stop or playback mode, press the TOP MENU button to display the title menu.

Example

1 Drama	2 Action
3 SF	4 Comedy

2 Use the ▲, ▼, ◄ or ► button to select a title, and then press the ENTER button.
- The selected title plays.
- Or use the Direct Search buttons for some discs.

Note:
The procedure shown here provides only general steps. The actual procedure for using the title menu depends on the disc. See the disc jacket for details.

■ To select a subtitle or audio language from the disc menu

DVD

You can select the desired subtitle or audio language and sound system on your DVD if it has a disc menu.

1 Whilst in the stop or playback mode, press the MENU/PBC button to display the disc menu.

Example

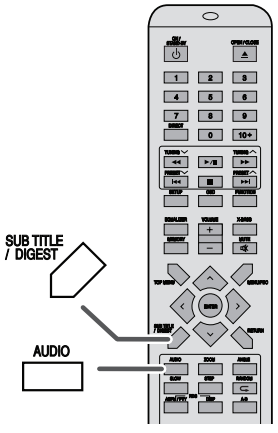
Main Menu
1.Hightlights
2.Start Movie

2 Press the ▲, ▼, ◄ or ► button to change the setting and press the ENTER button.
Or use the Direct Search buttons for some discs.

Note:
The procedure shown here provides only general steps. The actual procedure for using the disc menu depends on the disc. See the disc jacket for details.

Various settings

The subtitle language, audio language and TV type you select during playback are reset each time you set this unit to the stand-by mode or switch the input. To keep your own settings, set them in the Set up menu (see page 8).



■ To change the subtitle language

DVD SVCD

You can change the subtitle language or hide subtitles during playback.

Whilst a disc is playing, press the SUB TITLE button repeatedly to select the desired subtitle language.

SUBTITLE 01/03 ENGLISH

Notes:
- On some discs, the subtitle language cannot be changed.
- If no subtitles are recorded on the disc, "⊘" is displayed.
- It may take time to switch the subtitle language to the selected one.
- Subtitles cannot be hidden on some DVDs.

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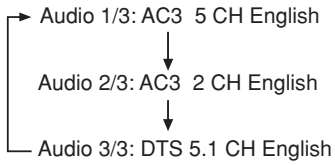
■ To change the audio channel

DVD SVCD VCD

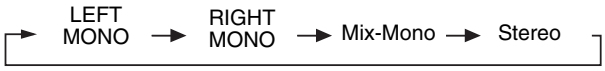
You can select an audio channel.

Whilst a disc is playing, press the AUDIO button repeatedly to select the desired audio channel.
E.g.: The audio channel changes as follows on DVD:



The audio channel changes as follows on SVCD:

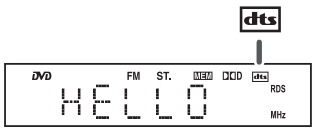
The audio channel changes as follows on VCD:



Note:
The audio channel may not be changed on some discs.

DTS (Digital Out)

dts™ Digital Out

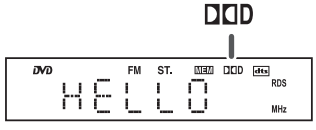


Digital Input from discs with this trademark

One of the digital audio systems for theatrical use. As the sound quality is emphasised, you can enjoy the realistic sound effect in the home theatre system.
The DTS indicator will light up when the disc recorded in DTS is played back.

Dolby Digital

DOLBY DIGITAL



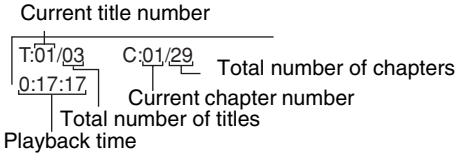
Digital Input from discs with this trademark

One of the digital audio systems for theatrical use. You can enjoy the stereophonic effect in the home theatre system.
The DD DIGITAL indicator will light up when the disc recorded in DD DIGITAL is played back.

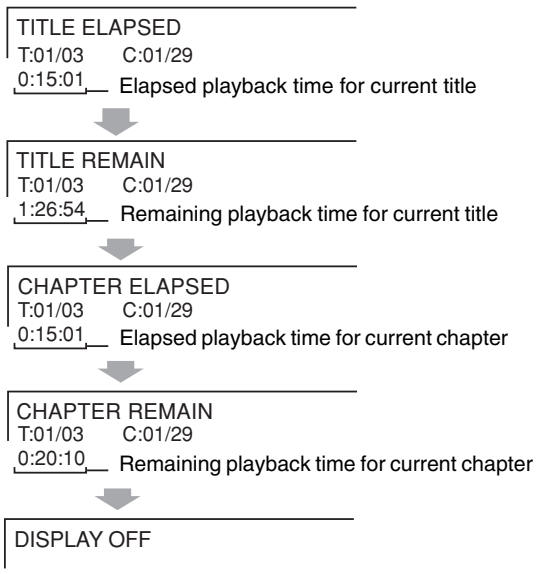
■ To change the display on TV screen

DVD SVCD VCD CD DivX

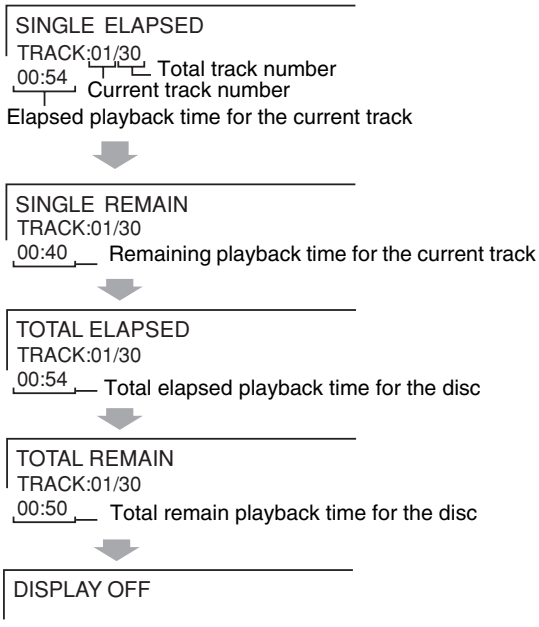
You can display or hide the operation indicators on the TV screen.
Whilst a disc is playing, press the OSD button. (The display is changed at each press.)



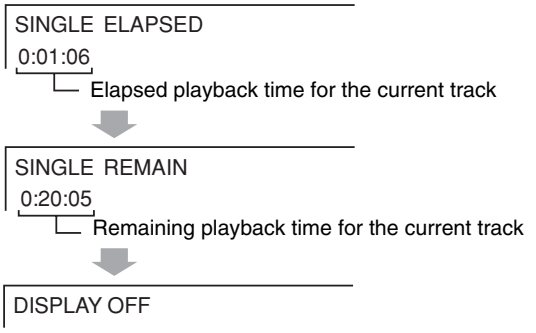
DVD:



SVCD/VCD/CD:



DivX:



Note:
When P.B.C. is set to ON for SVCD or VCD, total elapsed playback time and total remaining playback time do not appear.

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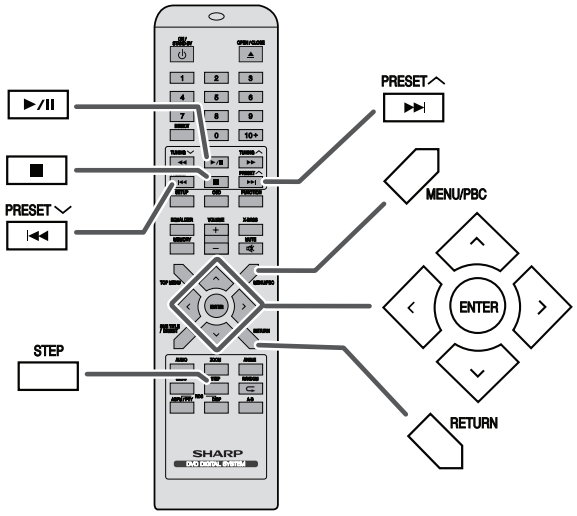
Video CD and Super Video CD playback

The following playback functions are the same as DVD or CD operations.

	Page
To locate the beginning of a chapter (track) (skip)	14
Fast forward/Fast backward (search)	14
Still picture	15
Slow-motion play	15 - 16
To zoom images (zoom)	16
To play repeatedly (repeat play)	16
To play the contents between the specified points repeatedly (A-B repeat)	17
To change the audio channel	18



■ Playback of a video CD (super video CD) with P.B.C. ON

SVCD VCD

This unit handles video CDs that support P.B.C. (version 2.0). P.B.C. is an abbreviation of "Playback control". These discs have a menu that is displayed on the TV screen. You can play interactive games and make use of other software with the retrieval function (menu playback).

1 Press the MENU/PBC button with PBC ON.

The menu will appear on the TV and playback will be paused.

Example

2 Select the desired menu number using the Direct Search buttons.

- Playback starts.
- After playback stops, the menu will reappear. Select the menu number to play.

To interrupt playback:
Press the ►/II button.
To resume playback from the same point, press the ►/II button.

To stop playback:
Press the ■ button twice.

To stop the current operation and return to the menu:
Press the RETURN button.

The P.B.C. function will not work in the following conditions.
Repeat/programmed/direct play or the skip feature is in operation.

Note:
The menu screen cannot be scrolled on some discs.

■ To play without activating the playback control function

SVCD VCD

You can play a video CD (super video CD) with P.B.C. without activating the playback control function.
In this case, the menu screen will not appear, and the disc will play in the same way as a video CD (super video CD) without P.B.C.

Whilst in the stop or playback mode, press the MENU/PBC button to cancel the P.B.C. mode.

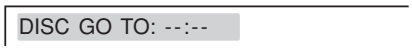
- TV screen will show "PBC OFF" then playback will start.

Note:
Some video CDs (super video CDs) with P.B.C. cannot be played back when the P.B.C. mode is off.

■ To start playback from the desired point (direct play)

To play by specifying time (time search): SVCD VCD
Cancel the P.B.C. (playback control).

1 During stop, press the DIRECT button.



2 Specify the time with the Direct Search buttons.

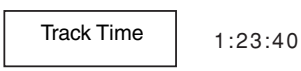
- Enter minutes and seconds.
- To specify 1 hour 23 minutes and 40 seconds, enter "8340".
- If you enter the wrong number, start over from step 1.
- Playback starts (automatically) after you complete enter the number(s).

In the playback mode:

1 Whilst in the playback mode, press the DIRECT button.

2 Press ▼ or ▲ button to select "Track Time" then press the ENTER button.

3 Specify the time with the Direct Search buttons.



- To specify 1 hour 23 minutes and 40 seconds, enter "12340".
- If you enter the wrong number, start over from step 1.
- Playback starts (automatically) after you complete enter the number(s).

4 Press the DIRECT button to return to the actual size of image (standard screen).

Notes:

- Some discs cannot play from the specified point.
- Time search feature is disabled on some discs.
- Time search feature is not available on MP3 and JPEG discs.

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■ Random play

CD

The tracks on the disc(s) can be played in random order automatically.

1 Whilst in the stop or playback mode, press the REPEAT button on the remote control until “RANDOM” is shown.

TV screen

RANDOM

Unit display

RANDOM

2 Random playback will start.
- Main set will show “RANDOM” after a track being played.

Unit display

RANDOM

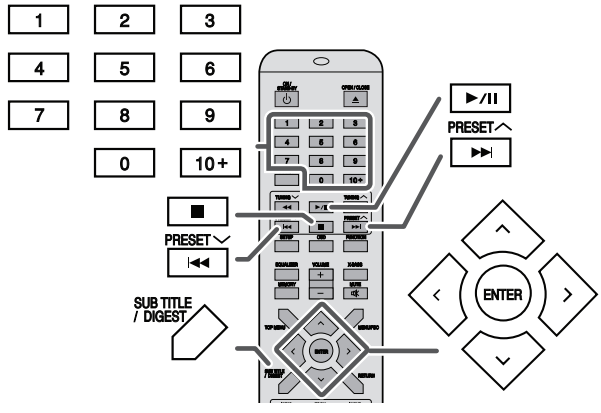
3 To cancel random play, press the RANDOM/⇄ button until the “RANDOM” indicator on TV is gone.

Notes:
- If you press the ▶▶I button during random play, you can move to the track selected next by the random operation. If you press the I◀◀ button, the beginning of the track being played is located.
- In random play, the CD player will select and play tracks automatically. (You cannot select the order of the tracks.)

Caution:
After performing repeat or random play, be sure to press the ■ button. Otherwise, the disc(s) will play continuously.

■ Disc digest selection

SVCD VCD

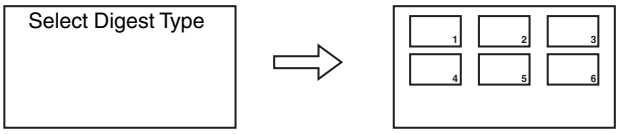


You can playback a desired track by selecting one from the 6 displayed tracks on the screen.

1 Press the SUB TITLE/DIGEST button.

2 Select digest type by using cursor ∧ or ∨ button and then press ENTER button:
- Track digest (disc will be divided by tracks)
- Disc Interval (disc will be divided into 10 minutes interval)
- Up to 6 tracks will be displayed on the screen.

TV screen



3 Press the Direct Search buttons on the remote control to select the desired track.
Playback will be started from the selected track after pressing the ▶/II button.

When there are more than 6 tracks on the video CD:
Each press of the ▶▶I button will display the next 6 tracks.
Press the I◀◀ button to return to the previous display.

To cancel the disc digest:
Select EXIT and press ENTER button.

■ Track digest selection

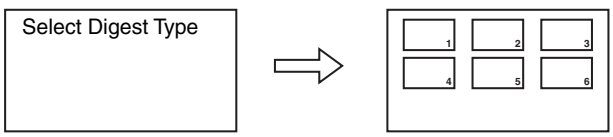
You can look at the sections and select the scene you want to start watching from. This function is convenient when you want to start from the middle of an undivided track, for example, a movie.

1 During playback, press the SUB TITLE/DIGEST button.

2 Select “Track Interval” by using cursor ∧ or ∨ button and then press ENTER button.
- The current track will be divided into 10 minutes interval.

The track being played will be divided into 6 sections and playback will be paused.

TV screen



3 Press the Direct Search buttons on the remote control to select the scene you want to watch.

Playback will start from the selected scene after pressing the ▶/II button.

To cancel the track digest operation:
Select EXIT and press ENTER button.

Notes:
- The track digest function works only during playback.
- One track is divided into six frames of equal playing time.

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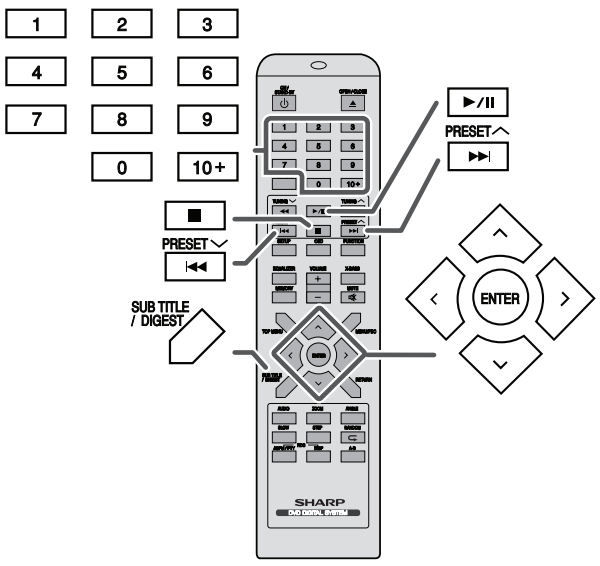
CD operation

This system can play back a standard CD, CD-R/RW in the CD format and CD-R/RW with MP3 or WMA files, but cannot record on them.
Some audio CD-R and CD-RW discs may not be playable due to the state of the disc or the device that was used for recording.

The following playback functions are the same as DVD or VCD operations.

	Page
Playback	**13**
To locate the beginning of a chapter (track) (skip)	**14**
Fast forward/Fast backward (search)	**14**
To play repeatedly (repeat play)	**16**
To play the contents between the specified points repeatedly (A-B repeat)	**17**
To change the display on TV screen	**18**



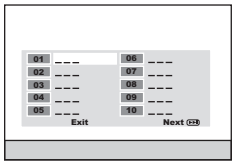
■ To play in the desired order (programmed play)

CD SVCD VCD

You can playback the desired tracks in a specific order.
Maximum of 20 tracks can be programmed.

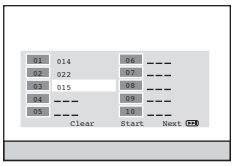
1 Whilst in the stop or playback mode, press the MEMORY button.

TV screen



2 Enter a track number with the Direct Search buttons.
- If you enter the wrong numbers, press ▲ or ▼ button to select the concerned track and then reenter the correct numbers.

TV screen



3 Press ▼ button to select “Start” then press ENTER button to start playback the programmed track(s).

To change the programmed contents:
Repeat the above procedures from step 1.

Programmed contents will be cleared when you perform the following operations:
- Switch the input or remove the discs.
- Set to the stand-by mode.
- Press the cursor button to select “Clear” and then press ENTER button.

Notes:
- Sequential programming does not work if the disc disables programming or does not have track information.
- During programmed play, repeat play can be performed by pressing the REPEAT button (see page 16).

■ To start playback from the desired point (direct play)

To select and play the desired track: CD

Whilst in the stop or playback mode, press the Direct Search buttons to select the track number.

To select track 14: Press “10+” and “4”.

TV screen

SELECT TRACK: 14/30

Unit display

14 0002

To play by specifying time (time search): CD

1 During stop or playback mode, press the DIRECT button once and “DISC GO TO” appear on TV screen.

TV screen

DISC GO TO: --:--

2 Specify the time with the Direct Search buttons.
- Enter minutes and seconds.
- To specify 1 hour 23 minutes and 40 seconds, enter “8340”.
- If you enter the wrong number, start over from step 1.

Notes:
- Direct play feature is disabled on some discs.
- Some disc cannot play from the specified point.
- Time search feature is disabled on some discs.

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MP3 and JPEG disc operation

MP3:
MP3 is a form of compression. It is an acronym which stands for MPEG Audio Layer 3.
MP3 is a type of audio code which is processed by significant compression from the original audio source with very little loss in sound quality.
- This system supports MPEG 1 Layer 3 and VBR files.
- During VBR file playback, time counter in the display may differ from its actual playback time.
- Bitrate which is supported by MP3 is 32 ~ 320 kbps.

WMA:
WMA files are Advanced System Format files that include audio files which are compressed with Windows Media Audio codec. WMA is developed by Microsoft as an audio format file for Windows Media Player.
- Bitrate which is supported by WMA is 64 ~ 160 kbps.

The following playback functions are the same as DVD or VCD operations.

	Page
Playback	**13**
To locate the beginning of a chapter (track) (skip)	**14**
Fast forward/Fast backward (search)	**14**
To change the display on TV screen	**18**

■ To start playback from the desired point (direct play)

To play by specifying time (time search): DivX

1 During playback, press the DIRECT button twice.

TV screen

GO TO _: __:__

2 Specify the time with the Direct Search buttons.
- Enter minutes and seconds.
- To specify 1 hour 23 minutes and 40 seconds, enter "12340".
- If you enter the wrong number, start over from step 1.
- You can check the total playback time of the track by refer to the page 18.

To select and play the desired track: MP3

1 Whilst in the stop or playback mode, press the Direct Search buttons or press DIRECT button and then enter the desired track number(s).

TV screen

---/150
↑
Total of tracks

If the desired track is 25, press "0", "2" and "5".

2 Playback will start automatically on selected track.

Notes:
- Direct play feature is disabled on some discs.
- Some discs cannot play from the specified point.

■ Playback on the MP3 menu screen

MP3 JPEG

You can play CD-R/RW recorded in the MP3/WMA and JPEG formats.

1 Load a disc containing MP3/WMA, JPEG and DivX files, the menu screen appears.

··· Indicates folders.

··· Indicates MP3 data.

··· Indicates JPEG data.

··· Indicates DivX data.

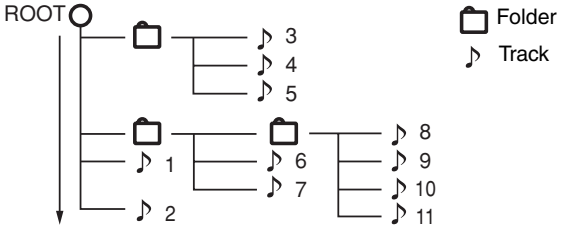
··· Indicates WMA.

2 Press the ▲, ▼, ◄ or ► button to select a folder or a track and press the ENTER or ►/II button.
- Playback starts when you select a track.
- When the format is JPEG, the next file is automatically displayed after a whilst.
- You can use the ◄ or ► button to rotate the JPEG picture (see page 24).
- Using the Direct Search buttons, you can open files or folders directly. Enter the number on the right of the display.
- To return to menu screen press the MENU/PBC button.

Caution:
If you convert MP3 data to "audio CD" data to record on a CD-R/RW, play it as an audio CD. The MP3 operation cannot be performed.

Notes:
- Up to 20 characters can be displayed for a folder name and a track name. Underlines, asterisks, and spaces may not be displayed.
- This function is only visible when unit is connected to TV.

About folder playback order:
When the MP3/WMA menu screen is on, tracks are played in the following order. Playback is performed in the order of 1 to 11 in the following example.



Tracks on some discs cannot be played in order.

Notes:
- It will take some time for the disc to be read if there are too many files and folder.
- Up to 512 numbers of folders and files inclusives of the folders with non playable files can be read.

■ To play repeatedly (repeat play)

MP3 JPEG DivX

Repeat play on the DivX menu screen:
Whilst a disc is playing, press the RANDOM/⊂ button.
Each time the button is pressed, the repeat play mode changes in the following order.

TV screen

"SINGLE"	No repeat the currently playing track.
"REPEAT ONE"	Repeat the currently playing track.
"REPEAT ALL"	Repeat all the tracks.
"REPEAT OFF"	Repeat play is cancelled.

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Repeat play on the JPEG menu screen:
Condition A
You can play all images in the disc. Playback will stop after complete playback all the images in the disc.
To perform repeat play, press the RANDOM/⇄ button whilst in the stop mode and then press the ENTER button. Each time the RANDOM/⇄ button is pressed, the play mode changes in the following order:

TV screen	
"RANDOM"	Randomly repeat play the tracks (images).
"SINGLE"	No repeat the currently playing track (image).
"REPEAT ONE"	Repeat the currently playing track (image).
"REPEAT ALL"	Repeat play all the tracks (images) in the disc.
"REPEAT OFF"	Repeat play is cancelled.

Condition B
You can play images after select each folder inside the disc. Whilst in the main menu screen, press the MEMORY button. All the folders will be viewed on the TV screen (folder on). The playback will stop after complete playback all the images in the currently playing folder.
To perform repeat play, press the RANDOM/⇄ button whilst in the stop mode and then press the ENTER button. Each time the RANDOM/⇄ button is pressed, the play mode changes in the following order:

TV screen	
"RANDOM"	Randomly repeat play the tracks (images).
"SINGLE"	No repeat the currently playing track (image).
"REPEAT ONE"	Repeat the currently playing track (image).
"REPEAT FOLDER"	Repeat play all the tracks (images) in the currently playing folder.
"FOLDER"	Repeat play is cancelled.

Notes:
- To view back the file list, press the MEMORY button whilst in the main menu screen.
- To return to the main menu screen whilst playback, press the MENU/PBC button.

Repeat play on the MP3/WMA menu screen:
Condition A
You can play all songs in the disc. Playback will stop after complete playback all the songs in the disc.
To perform repeat play, press the RANDOM/⇄ button whilst in the stop mode and then press the ENTER button. Each time the RANDOM/⇄ button is pressed, the play mode changes in the following order:

TV screen	
"RANDOM"	Randomly repeat play the tracks (songs).
"SINGLE"	No repeat the currently playing track (song).
"REPEAT ONE"	Repeat the currently playing track (song).
"REPEAT ALL"	Repeat play all the tracks (songs) in the disc.
"REPEAT OFF"	Repeat play is cancelled.

Condition B
You can play songs after select each folder inside the disc. Whilst in the main menu screen, press the MEMORY button. All the folders will be viewed on the TV screen (folder on). The playback will stop after complete playback all the songs in the currently playing folder.
To perform repeat play, press the RANDOM/⇄ button whilst in the stop mode and then press the ENTER button. Each time the RANDOM/⇄ button is pressed, the play mode changes in the following order:

TV screen	
"RANDOM"	Randomly repeat play the tracks (songs).
"SINGLE"	No repeat the currently playing track (song).
"REPEAT ONE"	Repeat the currently playing track (song).
"REPEAT FOLDER"	Repeat play all the tracks (songs) in the currently playing folder.
"FOLDER"	Repeat play is cancelled.

Note:
To view back the file list, press the MEMORY button whilst in the main menu screen.

Caution:
After performing repeat, be sure to press the ■ button.
Otherwise, it will play continuously.

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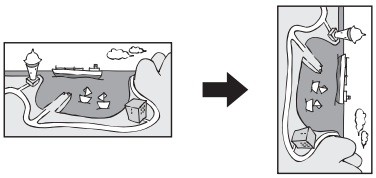
■ Rotating a picture

JPEG

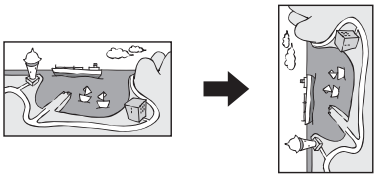
You can rotate images.

During playback, press the ◄ or ► button.
The image rotates as shown below.

► button : 90° rotation in a clockwise direction.



◄ button : 90° rotation in an anti-clockwise direction.



■ Simultaneously playback the MP3 and JPEG

You can enjoy to see images of JPEG files whilst listening to the musics of MP3 at the same time.

1 Playback the desired songs.

2 Press ◄ button to return to the main menu.

3 Select JPEG folder using ▲ or ▼ button.

4 Select the images or pictures those you want to view.

5 Press the ENTER button.

Notes:

- Whilst playing the images, you can not select the MP3/WMA folder or files.
- JPEG maximum resolution is 2Mbytes of file size.

■ Random play (REMOTE CONTROL ONLY)

The tracks/images on the disc(s) can be played in random order automatically.

To random play all tracks/images:

During stop mode, press the RANDOM/⇄ button to select "RANDOM" then press ►/II button to play.

To cancel random playback, press the RANDOM/⇄ button repeatedly until "REPEAT OFF" / "FOLDER" appear.

Notes:

- If you press the I◄◄ or ►►I button during random play, you can move to the track selected next by the random operation.
- In random play, the unit will select and play tracks automatically. (You cannot select the order of the tracks.)
- During random play, repeat function is not possible.
- In random function, playback will stop after all the tracks are played randomly.

Note:

(※) When in folder mode, the selected playmode can be used for the files in the selected folder only.

Notes:

- This unit only supports "MPEG-1 Audio Layer-3" format. (Sampling Frequency is 32, 44.1, 48kHz) "MPEG-2 Audio Layer-3", "MPEG-2.5 Audio Layer-3" and MP1, MP2 format are not supported.
- Playback order for MP3 files may differ sometimes depending on the writing software used during file downloading.
- Bitrate which is supported by MP3 is 32~320 kbps, WMA is 64~160 kbps.
- For MP3/WMA files, please put ".MP3" ".WMA" extension. Files cannot be played back if there is no MP3/WMA extension.
- Playlists are not supported on this unit.
- The display playback time may not be displayed correctly when playing back a variable bitrate file.
- Copyright protected WMA files cannot be played back.

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MP3/WMA folder mode (only for MP3/WMA files)

To play back MP3/WMA (Windows Media Audio) file

There are many music sites on the internet that you can download MP3/WMA (Windows Media Audio) music files. Follow the instructions from the website on how to download the music files. You can then play back these downloaded music files by burning them to a CD-R/RW disc.

- Your downloaded song/files are for personal use only. Any other usage of the song without owner's permission, is against the law.

■ About folder playback order

If MP3/WMA files are recorded in several folders, a folder number will be set to each folder automatically.

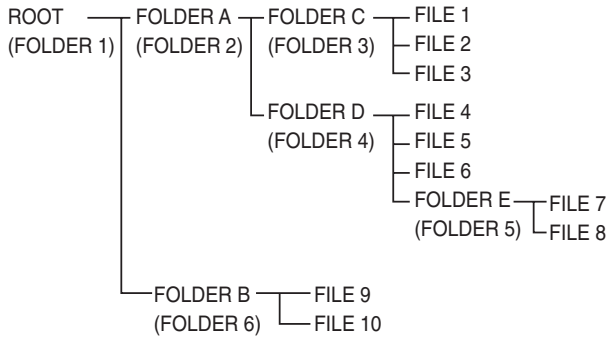
These folder can be selected by the ▲, ▼, ◄ or ► button on the remote control. If there is not supported file formats inside the selected folder, the folder is skipped and the next folder will be selected.

Example: How to set folder number if MP3/WMA format files are recorded as below figure.

1. ROOT folder is set as folder 1.
2. As for folders inside ROOT folder (Folder A and Folder B), the folder which is recorded earlier on the disc will be set as folder 2.
3. As for folder inside Folder A (Folder C and Folder D), the folder which is recorded earlier on the disc will be set as folder 3.
4. Because there is no folder in Folder C, Folder D will be set as folder 4.
5. Folder E that is inside Folder D will be set as folder 5.
6. Folder B inside ROOT folder will be set as folder 6.

* The folder and file order information which is recorded on the disc depends on the writing software. There may be possibilities that this unit will play back the files not according to our expected playback order.

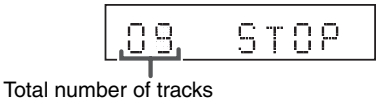
All the files inside the selected folder will be played back.
In case Folder D is selected, file 4, 5 and 6 will be played back. File 7 and 8 in Folder E will not be played back.



■ Procedure to playback MP3/WMA disc

To playback CD-R/RW.

1 Load an MP3/WMA disc and unit display will show total number of tracks in STOP mode.



Total number of tracks

2 Press the ▲, ▼, ◄ or ► button on the remote control to select the desired playback folder and track.

- To start playback with folder mode, press the MEMORY button to view Folder mode.
- To change the playback folder, press the ◄ direction key to select another folder.

3 Press the ►/II or ENTER button and playback will start.

- Press the MEMORY button to display all folders on the disc.

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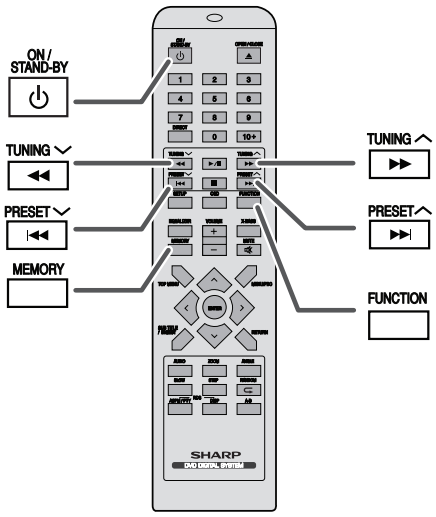


■ Tuning

1 Press the ON/STAND-BY button to turn the power on.

2 Press the FUNCTION button repeatedly to select the TUNER (FM) mode.

3 Press the TUNING (∨ or ∧) button to tune in to the desired station.

Manual tuning:

Press the TUNING (∨ or ∧) button as many times as required to tune in to the desired station.

Auto tuning:

When the TUNING (∨ or ∧) button is pressed for more than 0.5 seconds, scanning will start automatically and the tuner will stop at the first receivable broadcast station.

Notes:

- When radio interference occurs, auto scan tuning may stop automatically at that point.
- Auto scan tuning will skip weak signal stations.
- To stop the auto tuning, press the TUNING (∨ or ∧) button again.
- When an RDS (Radio Data System) station is tuned in, the frequency will be displayed first, and then the RDS indicator will light up. Finally, the station name will appear.
- Full auto tuning can be achieved for RDS stations “ASPM”, see page 27.
- Tuning will stop when reach to 87.50 MHz or 108.00 MHz.

To receive an FM stereo transmission:

Press the AUDIO button to select FM mono or FM stereo.

- “ST” will appear when an FM broadcast is in stereo.
- If the FM reception is weak, press the AUDIO button to extinguish the “ST” indicator. The reception changes to monaural, and the sound becomes clearer.

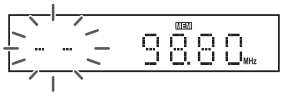
FM stereo mode indicator

■ Memorising a station

Up to 40 stations for FM band can be stored and recalled at the push of a button. (PRESET (∨ or ∧))

1 Perform steps 1 - 3 in “Tuning”.

2 Press the MEMORY button to enter the preset tuning saving mode.



3 Within 6 seconds, press the Direct Search buttons to select the preset channel number.

Enter the channel number using the Direct Search buttons.
To select channel 1: Press “0” and “1”.
To select channel 12: Press “1” and “2”.

4 Press MEMORY button to memorise the station. The preset is memorised when the “MEM” indicator is gone.

If the “MEMORY” and preset number indicators disappear before the station is memorised, repeat the operation from step 2 onwards.

5 Repeat steps 1 - 4 to set other stations or to change a preset station.

When a new station is stored in memory, the station previously memorised for that preset channel number will be erased.

Note:

The backup function protects the memorised stations for a few hours should there be a power failure or the AC power lead become disconnected.

■ To recall a memorised station

Press the PRESET (∨ or ∧) button for less than 0.5 seconds to select the desired station.

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Using the Radio Data System (RDS)

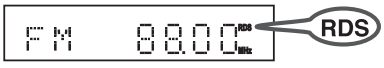
RDS is a broadcasting service which a growing number of FM stations provide. These FM stations send additional signals along with their regular programme signals. They send their station names, and information about the type of programme such as sport, music, etc.
When tuned to an RDS station, “RDS” and the station name will be displayed.

■ Using the Auto Station Programme Memory (ASPM)

Whilst in the ASPM operation mode, the tuner will automatically search for new RDS stations. Up to 40 stations can be stored.
If you have already stored some stations in memory, the number of new stations you can store will be less.

1 Press the FUNCTION button to select the TUNER.

2 Press and hold the RDS (ASPM/PTY) button on the remote control.
1 Scanning will start (87.50 - 108.00 MHz).
2 When an RDS station is found, “RDS” will appear for a short time and the station will be stored in memory.



3 After scanning, the number of stations stored in memory will displayed for 4 seconds and then “END” will appear for 4 seconds.

Note:
ASPM auto scan search will auto stop after 1 cycle from 87.50 MHz to 108.00 MHz.

To stop the ASPM operation before it is complete:
Press the RDS (ASPM/PTY) button whilst it is scanning for stations. The stations which are already stored in memory will be kept there.

Notes:
- Any station which has the same frequency as one stored in memory will not be stored.
- If 40 stations have already been stored in memory, the scan will be aborted. If you want to redo the ASPM operation, erase the preset memory.
- In the RDS signals are very week, station names may not be displayed.

Note:
In a certain area or during certain time periods, the station names may temporarily be different.

■ Notes for RDS operation

If any of the following events occur, it does not mean that the unit is faulty:
- “PS”, “NO PS” and a station name appear alternately, and the unit does not operate properly.
- If a particular station is not broadcasting properly or a station is conducting tests, the RDS reception function may not work properly.
- When you receive an RDS station whose signal is too weak, information like the station name may not be displayed.
- “NO PS”, “NO PTY” or “NO RT” will flash for about 5 seconds, and then the frequency will be displayed.

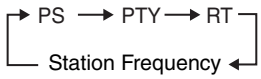
Notes for radio text:
- The first 8 characters of the radio text will appear for 4 seconds and then they will scroll across the display.
- If you tune in to an RDS station which is not broadcasting any radio text, “NO RT” will be displayed when you switch to the radio text position.
- Whilst radio text data is received or when the text contents change, “RT” will be displayed.

■ To show Radio Data System signals on display

Select an FM station with Radio Data System signals.

1 Press the FUNCTION button to select the FM band.

2 Press the RDS (DISP) button on the remote control.
- The display will switch as follows:



- **PS (Programme Service):**

Whilst searching, “PS” alternately appear on the display.
Then, the station name appears. “NO PS” appears if no signal is sent.

- **PTY (Programme Type):**

Whilst searching, “PTY” alternately appear on the display.
Then, the broadcast programme type appears. “NO PTY” appears if no signal is sent.

- **RT (Radio Text):**

Whilst searching, “RT” alternately appear on the display.
Then, the next message sent by the station appears. “NO RT” appears if no signal is sent.

- **Station Frequency:**

The frequency of the selected station appears on the display.

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■ To recall stations in memory

To specify programmed types and select stations (PTY search):
You can search a station by specifying the programme type (news, sports, traffic programme, etc. ... see page 28) from the stations in memory.

1 Press the FUNCTION button to select the FM band.

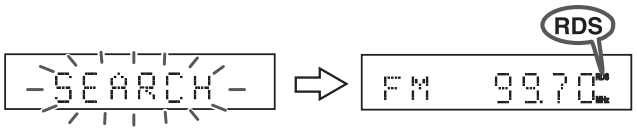
2 Press the RDS (ASPM/PTY) button on the remote control.

Selected PTY code (blinking) will appear for about 6 seconds.

3 Within 6 seconds, press the PRESET (∨ or ∧) button to select the PTY code.

Each time the button is pressed, the PTY code will appear.

4 Whilst the selected PTY code is displayed (within 6 seconds), press the RDS (ASPM/PTY) button again.



- The unit searches the all preset stations and stops when it finds a station of the selected category then tunes into the station. The RDS indicator lights up.
- If no programme is found in the all preset stations, “NO PTY” appear on the display and returns to the previous station.

Notes:
- If the display has stopped flashing, start again from step 2. If the unit finds a desired programme type, the corresponding channel number will lit for about 4 seconds, and then the station name will remain it.
- If you want to listen to the same programme type of another station, press the RDS (ASPM/PTY) button and start again from step 2. The unit will look for the next station.

Descriptions of the PTY (Programme Type) codes signal.
You can search for and receive the following PTY.

NEWS	Short accounts of facts, events and publicly expressed views, reportage and actuality.
AFFAIRS	Topical programme expanding or enlarging upon the news, generally in different presentation style or concept, including debate, or analysis.
INFO	Programmes whose purpose is to impart advice in the widest sense.
SPORT	Programme concerned with any aspect of sport.
EDUCATE	Programme intended primarily to educate, of which the formal element is fundamental.
DRAMA	All radio plays and serials.
CULTURE	Programmes concerned with any aspect of national or regional culture, including language, theatre, etc.
SCIENCE	Programmes about the natural sciences and technology.
VARIED	Used for mainly speech-based programmes usually of light-entertainment nature, not covered by other categories. Examples include: quizzes, panel games, personality interviews.
POP M	Commercial music, which would generally be considered to be of current popular appeal, often featuring in current or recent record sales charts.
ROCK M	Contemporary modern music, usually written and performed by young musicians.
EASY M	Current contemporary music considered to be “easy-listening”, as opposed to Pop, Rock or Classical, or one of the specialised music styles, Jazz, Folk or Country. Music in this category is often but not always, vocal, and usually of short duration.
LIGHT M	Classical music for general, rather than specialist appreciation. Examples of music in this category are instrumental music, and vocal or choral works.
CLASSICS	Performances of major orchestral works, symphonies, chamber music, etc., and including Grand Opera.
OTHER M	Musical styles not fitting into any of the other categories. Particularly used for specialist music of which Rhythm & Blues and Reggae are examples.
WEATHER	Weather reports and forecasts and meteorological information.
FINANCE	Stock Market reports, commerce, trading, etc.
CHILDREN	For programmes targeted at a young audience, primarily for entertainment and interest, rather than where the objective is to educate.
SOCIAL	Programmes about people and things that influence them individually or in groups. Includes: sociology, history, geography, psychology and society.
RELIGION	Any aspect of beliefs and faiths, involving a God or Gods, the nature of existence and ethics.
PHONE IN	Involving members of the public expressing their views either by phone or at a public forum.
TRAVEL	Features and programmes concerned with travel to near and far destinations, package tours and travel ideas and opportunities. Not for use for announcements about problems, delays, or roadworks affecting immediate travel where TP/TA should be used.
LEISURE	Programmes concerned with recreational activities in which the listener might participate. Examples include, Gardening, Fishing, Antique collecting, Cooking, Food & Wine, etc.
JAZZ	Polyphonic, syncopated music characterised by improvisation.
COUNTRY	Songs which originate from, or continue the musical tradition of the American Southern States. Characterised by a straightforward melody and narrative story line.
NATION M	Current Popular Music of the Nation or Region in that country's language, as opposed to International “Pop” which is usually US or UK inspired and in English.
OLDIES	Music from the so-called “golden age” of popular music.
FOLK M	Music which has its roots in the musical culture of a particular nation, usually played on acoustic instruments. The narrative or story may be based on historical events or people.
DOCUMENT	Programme concerned with factual matters, presented in an investigative style.
TEST	Broadcast when testing emergency broadcast equipment or receivers.
ALARM	Emergency announcement made under exceptional circumstances to give warning of events causing danger of a general nature.
NONE	No programme type (receive only).

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Enhancing your system

■ Headphones

- Before plugging in or unplugging the headphones, reduce the volume.
- Be sure your headphones have a 3.5 mm (1/8") diameter plug and impedance between 16 and 50 ohms. The recommended impedance is 32 ohms.
- Plugging in the headphones disconnects the speakers automatically. Adjust the volume using the VOLUME control.

Troubleshooting chart

Many potential problems can be resolved by the owner without calling a service technician.
If something is wrong with this product, check the following before calling your authorised SHARP dealer or service centre.

■ General

Symptom	Possible cause
● When a button is pressed, the unit does not respond.	● Set the unit to the power stand-by mode and then turn it back on. ● If the unit still malfunctions, reset it.
● No sound is heard.	● Is the volume level set to “0”? ● Are the headphones connected? ● Are the speaker wires disconnected?

■ CD player

Symptom	Possible cause
● Playback does not start. ● Playback stops in the middle or is not performed properly.	● Is the disc loaded upside down? ● Does the disc satisfy the standards? ● Is the disc distorted or scratched?
● Playback sounds are skipped, or stopped in the middle of a track.	● Is the unit located near excessive vibrations? ● Is the disc very dirty? ● Has condensation formed inside the unit?

■ MP3/WMA/JPEG files

Symptom	Possible cause
● Playback does not start.	● Is the disc loaded upside down? ● Are the files supported by the unit?
● Some files cannot playback.	● Are the files supported by the unit? ● Is it a false MP3 file? ● Is the JPEG file size more than 10Mbytes?
● Read-in time takes very long.	● Is the disc contain too many folders or files? ● Is the file size too big? ● Is the disc distorted or scratched?

Troubleshooting chart (continued)

■ Remote control

Symptom	Possible cause
● The remote control does not operate.	● Is the AC power lead of the unit plugged in? ● Is the battery polarity correct? ● Are the batteries dead? ● Is the distance or angle incorrect? ● Does the remote control sensor receive strong light?

■ Tuner

Symptom	Possible cause
● The radio makes unusual noises continuously.	● Is the unit placed near the TV or computer? ● Is the FM aerial placed properly? Move the aerial away from the AC power lead if it is located nearby.

■ Condensation

Sudden temperature changes, storage or operation in an extremely humid environment may cause condensation inside the cabinet (CD pickup, etc.) or on the transmitter on the remote control.
Condensation can cause the unit to malfunction. If this happens, leave the power on with no disc in the unit until normal playback is possible (about 1 hour). Wipe off any condensation on the transmitter with a soft cloth before operating the unit.

■ If problem occurs

When this product is subjected to strong external interference (mechanical shock, excessive static electricity, abnormal supply voltage due to lightning, etc.) or if it is operated incorrectly, it may malfunction.

If such a problem occurs, do the following:

1 Set the unit to the stand-by mode and turn the power on again.
2 If the unit is not restored in the previous operation, unplug and plug in the unit again, and then turn the power on.

Note:
If neither operation above restores the unit, clear all the memory by resetting it.

■ Before transporting the unit

Remove the CD from the unit. Make sure there is no CD in the disc tray. Then, set the unit to the power stand-by mode. Carrying the unit with discs left inside can damage the unit.

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Troubleshooting chart (continued)

■ Clearing all the memory (reset)

At Tuner function, press and hold MEMORY button for 3 seconds.
- The unit will go stand-by mode.
- All memory content will be cleared.

Caution:
- This operation will erase all data stored in memory including tuner preset, and CD programme.
- To do reset in DVD/CD function, please remove any disc inside.

■ Care of compact discs

Compact discs are fairly resistant to damage, however mistracking can occur due to an accumulation of dirt on the disc surface. Follow the guidelines below for maximum enjoyment from your CD collection and player.
- Do not write on either side of the disc, particularly the non-label side from which signals are read. Do not mark this surface.
- Keep your discs away from direct sunlight, heat, and excessive moisture.
- Always hold the CDs by the edges. Fingerprints, dirt, or water on the CDs can cause noise or mistracking. If a CD is dirty or does not play properly, clean it with a soft, dry cloth, wiping straight out from the centre, along the radius.

Maintenance

■ Cleaning the cabinet

Periodically wipe the cabinet with a soft cloth and a diluted soap solution, then with a dry cloth.

Caution:
- Do not use chemicals for cleaning (petrol, paint thinner, etc.). It may damage the cabinet.
- Do not apply oil to the inside of the unit. It may cause malfunctions.

Specifications

As part of our policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

■ General

Power source	AC 220 - 240 V ~, 50/60 Hz
Power consumption	Power on: 35 W Power stand-by: 0.4 W(*)
Dimensions	Width: 175 mm (6-7/8") Height: 138 mm (5-7/16") Depth: 225 mm (8-7/8")
Weight	2.2 kg (4.85 lbs.)

(*) This power consumption value is obtained when the main unit is in stand-by mode.

■ Amplifier

Output power	MPO: 40 W (20 W + 20 W) (10% T.H.D.) RMS: 30 W (15 W + 15 W) (10% T.H.D.)
Output terminals	Speakers: 6 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms)

■ DVD player

Signal system	PAL/NTSC colour	
Supported disc types	DVD (with the same region number on the back of the unit), SVCD, VCD, audio CD, CD-R, CD-RW, JPEG, DivX (version 3.0 ~ 6.0)	
Video signal	Horizontal resolution: 500 lines S/N ratio: 70 dB	
Audio signal	Frequency characteristic	Linear PCM DVD: 20 Hz to 20 kHz (sampling rate: 48 kHz) 20 Hz to 20 kHz (sampling rate: 96 kHz) CD: 20 Hz to 20 kHz
	S/N radio	CD: 94 dB (1 kHz)
	Dynamic range	Linear PCM DVD: 95 dB CD: 94 dB
	Total harmonic distortion ratio	0.01% maximum

■ Tuner

Frequency range	FM: 87.5 - 108 MHz

■ Speaker

Type	1-way type speaker system 10 cm (4") Full range
Maximum input power	30 W
Rated input power	15 W
Impedance	6 ohms
Dimensions	Width: 130 mm (5-1/8") Height: 170 mm (6-11/16") Depth: 210 mm (5-1/4")
Weight	1.56 kg (3.44 lbs)/each

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SHARP

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SHARP CORPORATION

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